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Aims & Scope

Tourism Today serves as an international, scholarly, and refereed journal aiming to promote and enhance research in the fields of tourism and hospitality. The journal is published by the College of Tourism and Hotel Management in Cyprus. The journal is intended for readers in the scholarly community who deal with the tourism and hospitality industries, as well as professionals in the industry. *Tourism Today* provides a platform for debate and dissemination of research findings, new research areas and techniques, conceptual developments, and articles with practical application to any tourism or hospitality industry segment. Besides research papers, the journal welcomes book reviews, conference reports, case studies, research notes and commentaries.

Aims & Scope

The scope of the journal is international and all papers submitted are subject to strict double blind peer review by its Editorial Board and by international reviewers. The journal features conceptual and empirical papers, and editorial policy is to invite the submission of manuscripts from academics, researchers and industry practitioners. The Editorial Board will be looking particularly for articles about new trends and developments within the field of tourism and hospitality, and the application of new ideas and developments that are likely to affect tourism and hospitality in the future. The journal also welcomes submission of manuscripts in areas that may not be directly tourism-based but cover a topic that is of interest to researchers, educators and practitioners in the fields of tourism and hospitality.

Decisions regarding publication of submitted manuscripts are based on the recommendations of members of the Editorial Board and other qualified reviewers in an anonymous review process. Submitted articles are evaluated on their appropriateness, significance, clarity of presentation and conceptual adequacy. Negative reviews are made available to authors. The views expressed in the articles are those of the authors, and do not necessarily represent those of the Editorial Board of *Tourism Today*, nor the College of Tourism and Hotel Management.

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NOTE FROM THE EDITOR

It has been another successful year for Tourism Today and we are happy to present readers to the 2025 edition. My good friend, Antonis Charalambides and I worked together in 1999 to start the journal. His vision is something that has guided us and it has remained to be a vehicle for academics to publish their work ever since. With hard work and sustained support from the College of Tourism and Hotel Management's leadership under both Antonis Charalambides and Savvas Adamides, the current Director of the College of Tourism and Hotel Management, the journal has persisted.

This year's issue has a little bit of something for everyone. There are several articles that deal with issues of branding/marketing of tourism product. Several articles also focus upon issue of sustainability in tourism. One article focuses upon expatriates and their impact upon tourism in their home country. Additionally, there is an article that focuses upon career issues of female chefs in the hospitality industry. As has been the case for years, the authors come from different parts of the world and thus give us great insights from different parts of the world. It would be hard to imagine a reader would not find at least one of the articles to be interesting, either because of the ideas discussed or because of the insight that is given about tourism and hospitality from a different perspective.

I am grateful to the Editorial Board that has been supportive over the years.

We at Tourism Today are always enthusiastic about advice or criticism to make the journal better. We encourage readers to support the journal by sharing it with friends, submitting original research, or volunteering to join the Editorial Board.

As has been the case since the beginning of this century, we wish you an enjoyable read.

Craig Webster
Editor-in-Chief, Tourism Today

Strategic Place Branding for Tourism Competitiveness: a Review and Conceptual Framework for Livingstone City, Zambia

Flackson Zimba¹, Godfrey Mwewa², and Francis Simui³

ABSTRACT

Place branding is a strategic and theoretical concept in tourism and hospitality management. Existing models largely reflect contexts with strong governance and aligned stakeholders, limiting applicability to emerging destinations. This study develops a governance-mediated conceptual framework illustrating how governance, stakeholder coordination, co-creation, and place identity shape brand equity and tourism competitiveness, using Livingstone City, gateway to Victoria Falls, as a case. A systematic conceptual review of contemporary place branding literature was conducted. Insights were synthesized into a governance-centered framework positioning governance as the central mechanism linking stakeholder engagement and place identity to brand equity and tourism competitiveness. Governance, combined with stakeholder coordination and strong place identity, emerges as a critical driver of brand equity and tourism competitiveness in emerging destinations. Context-specific to Livingstone City; generalizability may be limited, but the framework provides guidance for destination managers, policymakers, and future research.

Keywords: Place branding; Tourism competitiveness; Governance; Livingstone City; Zambia; Emerging destinations

INTRODUCTION

Tourism destinations operate in an increasingly competitive global environment shaped by heightened mobility, digital platforms, and evolving tourist expectations. Within this context, place branding has emerged as a central strategic and theoretical construct in tourism and hospitality management, enabling destinations to differentiate themselves, strengthen identity, and enhance long-term competitiveness (Kavaratzis & Hatch, 2018; Zenker, Braun,

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& Petersen, 2019). Contemporary scholarship conceptualizes destinations not as static products but as complex socio-spatial systems formed through interactions among multiple stakeholders, institutions, and place narratives (Kavaratzis, Giovanardi, & Lichrou, 2018).

Despite significant advances in place branding research, important theoretical limitations persist. Much of the dominant literature is derived from developed tourism destinations characterized by strong governance systems, mature destination management organizations (DMOs), and high levels of stakeholder alignment (Pike & Page, 2018; Tasci, Uslu, & Styliadis, 2022). These studies often implicitly assume institutional stability and coordinated governance, conditions that are frequently absent in emerging tourism destinations. Consequently, prevailing place branding models offer limited explanatory capacity when applied to destinations facing governance fragmentation, policy incoherence, and uneven stakeholder participation (Paasi, 2021).

Emerging tourism destinations, particularly in Africa, experience structural and institutional constraints that directly shape branding outcomes. Empirical studies highlight challenges such as weak inter-organizational coordination, limited community involvement, overlapping mandates among tourism authorities, and inconsistent brand messaging (Rogerson & Rogerson, 2021; Novelli, Adu-Ampong, & Ribeiro, 2022). While this body of work documents operational difficulties, governance is typically treated as a contextual or managerial issue rather than as a theoretically central mechanism influencing place branding and competitiveness. As a result, the literature lacks integrative frameworks that explicitly explain how governance structures mediate relationships among stakeholders, place identity, and destination brand equity.

Livingstone City, Zambia gateway to the UNESCO World Heritage Site of Victoria Falls offers a compelling empirical context for addressing this theoretical gap. Despite its global tourism significance and strong natural brand assets, Livingstone has experienced inconsistencies in brand positioning and destination coordination, reflecting broader governance challenges common to emerging destinations (Rogerson & Rogerson, 2021). The destination's branding environment involves complex interactions among public institutions, private tourism enterprises, community actors, and national policy frameworks, making governance a critical determinant of branding effectiveness. However, existing place branding theories provide limited guidance for understanding how such governance dynamics shape tourism competitiveness in emerging contexts.

In response to these limitations, this study develops a Governance-Mediated Place Branding Framework that explicitly integrates governance into place branding theory. Rather than treating governance as a background condition, the framework conceptualizes governance as a mediating mechanism linking stakeholder coordination, co-creation, place identity integration, and brand equity formation (Bramwell & Lane, 2020; Hall, 2019). By foregrounding governance, the study advances theoretical understanding of why place-branding outcomes vary across destinations with different institutional capacities.

Adopting a systematic conceptual review approach, this study synthesizes contemporary literature on place branding, tourism governance, and destination competitiveness to develop a framework grounded in the realities of emerging tourism destinations. While Livingstone City Zambia serves as the reference case, the framework is designed to offer broader theoretical relevance to destinations facing similar governance constraints. The study contributes to tourism and hospitality management literature in three key ways: first, by extending place branding theory through explicit integration of governance; second, by advancing destination competitiveness theory through institutional mediation; and third, by responding to calls for more context-sensitive theoretical models applicable to emerging and African tourism destinations (Novelli et al., 2022; Tasci et al., 2022).

Background to the Study

Place branding has become a central strategic tool in tourism and hospitality management as destinations increasingly compete for visitors, investment, and global recognition. Scholars argue that effective place branding extends beyond promotional activities to encompass the management of destination identity, stakeholder relationships, and institutional coordination (Kavaratzis & Hatch, 2018; Zenker et al., 2019). In this broader understanding, branding is not merely an outcome of marketing communication but a governance driven process shaped by public policy, institutional arrangements, and collective stakeholder action.

In developed tourism destinations, place branding initiatives are often supported by strong governance structures, clear policy frameworks, and well-resourced destination management organizations (DMOs), enabling coherent brand positioning and consistent message delivery (Pike & Page, 2018; Buhalis & Amaranggana, 2019). These institutional conditions allow for effective coordination among public authorities, private sector actors, and local communities, thereby reinforcing brand equity and destination competitiveness.

In contrast, emerging tourism destinations frequently operate within fragmented governance environments characterized by overlapping mandates, limited institutional capacity, and uneven stakeholder participation (Hall, 2019; Rogerson & Rogerson, 2021). Empirical studies in African tourism contexts highlight challenges such as weak inter-organizational collaboration, marginalization of local communities, and inconsistent branding narratives, which undermine destination competitiveness despite strong natural or cultural attractions (Novelli et al., 2022).

Livingstone City, Zambia, illustrates these dynamics clearly. As the gateway to Victoria Falls a UNESCO World Heritage Site Livingstone possesses significant brand potential. However, the destination's branding efforts are shaped by complex governance arrangements involving national tourism authorities, local government, private tourism enterprises, and community stakeholders. The effectiveness of these efforts depends not only on marketing strategies but also on governance mechanisms that facilitate coordination, participation, and shared identity construction. Yet, existing place branding models provide limited theoretical guidance

for understanding how such governance dynamics influence branding outcomes in emerging destinations.

Statement of the Research Problem

Despite the growing body of literature on place branding and destination competitiveness, a critical theoretical gap remains concerning the role of governance in shaping branding outcomes in emerging tourism destinations. Existing place branding models largely assume the presence of functional governance systems and effective stakeholder coordination, reflecting their origins in developed country contexts (Kavaratzis & Hatch, 2018; Tasci et al., 2022). These assumptions limit the applicability of such models to destinations characterized by institutional fragmentation and governance constraints.

Studies focusing on emerging and African destinations frequently document branding challenges such as inconsistent brand messaging, limited community involvement, and weak inter-institutional coordination (Rogerson & Rogerson, 2021; Novelli et al., 2022). However, governance is often treated as a managerial or contextual issue rather than as a theoretically central mechanism explaining branding success or failure. As a result, the literature lacks integrative theoretical frameworks that explicitly link governance structures with stakeholder coordination, place identity formation, and tourism competitiveness.

This theoretical omission has practical implications. Without a clear understanding of how governance mediates place-branding processes, policymakers and destination managers in emerging destinations lack robust theoretical guidance for designing effective branding strategies. In the context of Livingstone City, the absence of a governance-centered place-branding framework limits the ability of stakeholders to leverage branding as a strategic tool for enhancing tourism competitiveness.

Therefore, the core research problem addressed in this study is the lack of a theoretically grounded framework that explains how governance mediates the relationship between place branding and tourism competitiveness in emerging tourism destinations. By developing a Governance-Mediated Place Branding Framework, this study seeks to address this gap and advance theoretical understanding within tourism and hospitality management literature.

Research Aim and Contribution

The primary aim of this study is to develop a governance-mediated conceptual framework that explains how place branding contributes to tourism competitiveness in emerging destinations. Specifically, the study aimed to (i) examine the role of governance structures in shaping stakeholder coordination, (ii) analyse how governance influences place identity and co-creation processes, and (iii) explain how these dynamics affect destination competitiveness. The theoretical contribution of this study lies in advancing place-branding theory by explicitly incorporating governance as a central explanatory variable. Unlike existing models that

assume effective governance, this study demonstrates empirically how governance capacity mediates branding effectiveness. In doing so, it extends the applicability of place branding theory to emerging and African tourism contexts and addresses a critical gap identified in the literature.

By grounding theory in the lived realities of Livingstone City Zambia, this study contributes to a more context sensitive and inclusive understanding of tourism and hospitality management, responding directly to calls for greater theoretical diversity and relevance in the field.

LITERATURE REVIEW

The growing complexity and competitiveness of global tourism markets have elevated place branding to a central position in tourism and hospitality management research. Place branding is increasingly viewed not merely as a marketing activity but as a strategic, governance-driven process, that shapes destination identity, stakeholder relationships, and long-term competitiveness (Kavaratzis & Hatch, 2018; Zenker, Braun, & Petersen, 2019). Despite this evolution, the theoretical foundations of place branding remain unevenly developed, particularly with respect to governance dynamics in emerging tourism destinations. This section critically reviews the literature on place branding, tourism competitiveness, and governance, and identifies the theoretical gap that this study seeks to address.

Place Branding and Tourism Competitiveness

Place branding refers to the strategic process through which destinations construct and communicate a distinctive identity to influence perceptions among tourists, investors, and residents (Kavaratzis & Hatch, 2018). Contemporary scholarship emphasizes that destinations are not static products but socially constructed places shaped by multiple actors and narratives. As such, branding outcomes depend on how well destination identity aligns with lived experiences and stakeholder values (Zenker et al., 2019).

Empirical studies consistently demonstrate that strong place brands enhance tourism competitiveness by improving destination image, increasing tourist loyalty, and stimulating repeat visitation (Buhalis & Amaranggana, 2019; Pike & Page, 2018). Brand equity has been linked to tangible outcomes such as increased arrivals, higher spending, and extended length of stay, particularly in highly competitive tourism markets (Tasci, Uslu, & Styliadis, 2022). However, much of this evidence is derived from developed destinations with mature institutional frameworks and coordinated destination management organizations (DMOs).

In emerging destinations, particularly in Africa, place-branding efforts often face challenges related to fragment branding messages, weak stakeholder alignment, and limited institutional capacity (Rogerson & Rogerson, 2021; Novelli, Adu-Ampong, & Ribeiro, 2022). While these studies acknowledge contextual constraints, they rarely integrate such challenges into

branding theory. Consequently, place-branding models tend to assume functional coordination and overlook governance-related limitations that shape branding effectiveness in emerging contexts.

Governance and Stakeholder Coordination in Destination

Branding Governance has become an increasingly important concept in tourism research, particularly in relation to destination management, sustainability, and competitiveness. Governance refers to the structures, processes, and relationships through which public, private, and community actors collectively steer destination development (Hall, 2019). In tourism destinations, governance quality influences decision-making, resource allocation, and the coordination of diverse stakeholder interests.

Stakeholder collaboration and co-creation are widely recognized as essential components of effective place branding (Ind & Coates, 2019; Kavaratzis, Giovanardi, & Lichrou, 2018). However, collaboration is not inherently spontaneous; it is enabled or constrained by governance arrangements. Weak governance systems often result in power asymmetries, exclusion of local communities, and inconsistent branding initiatives (Bramwell & Lane, 2020). Conversely, inclusive and transparent governance structures facilitate trust, shared vision, and coherent brand narratives.

Despite this recognition, governance remains under-theorized within place branding literature. Most branding studies treat governance as a contextual background variable rather than a central explanatory mechanism (Paasi, 2021). This theoretical omission is particularly problematic for emerging destinations, where governance challenges play a decisive role in shaping branding outcomes. As a result, existing models provide limited guidance for understanding how governance influences the relationship between stakeholder engagement, place identity, and tourism competitiveness.

Theoretical Gaps and Conceptual Synthesis

A synthesis of the literature reveals three major theoretical gaps. First, place-branding research remains largely marketing-centric, with insufficient attention to institutional and governance dynamics that structure branding processes (Kavaratzis & Hatch, 2018). Second, tourism competitiveness studies acknowledge branding as a strategic asset but rarely theorize the governance conditions under which branding translates into competitive advantage (Buhalis & Amaranggana, 2019). Third, studies focusing on emerging and African destinations document coordination challenges but stop short of developing integrative theoretical models to explain these phenomena (Rogerson & Rogerson, 2021).

This study addresses these gaps by proposing a Governance-Mediated Place Branding Framework that explicitly integrates governance into place branding theory. By positioning governance as a mediating mechanism linking stakeholder coordination, co-creation, place

identity, and brand equity, the framework advances theoretical understanding of destination competitiveness in emerging contexts. Unlike existing models developed primarily in advanced economies, this framework accounts for institutional realities typical of destinations such as Livingstone City, Zambia.

In doing so, the study contributes to tourism and hospitality management literature by extending place-branding theory beyond developed contexts and offering a theoretically grounded explanation of how governance structures shape branding effectiveness and competitiveness in emerging tourism destinations.

METHODOLOGY

This study adopted a qualitative, theory building research approach to explore governance-mediated place branding in an emerging tourism destination. The methodology emphasizes understanding the processes and institutional dynamics that shape place branding and tourism competitiveness, which are often underexplored in quantitative studies (Yin, 2018; Nun-koo & Smith, 2021). The study was conducted in multiple stages: research design, participant selection, instrument development, data collection, analysis, and ethical considerations.

Research Design

The study uses a qualitative single case study design, focusing on Livingstone City, Zambia a gateway to Victoria Falls and an emerging tourism destination of global significance. Case study research is suitable for theory development when the phenomenon of interest is complex, contextually embedded, and under theorized (Yin, 2018).

The framework integrates place branding theory, stakeholder theory, governance theory, and tourism competitiveness models, with governance positioned as the central mediating mechanism linking stakeholder coordination, co-creation, and place identity to brand equity. This design allows an in-depth examination of governance and stakeholder dynamics, supporting analytical generalization rather than statistical generalization (Yin, 2018).

Semi-structured interviews were chosen as the primary method of data collection to capture rich, context-specific insights while allowing flexibility for participants to articulate their perspectives on governance and branding processes (Creswell & Poth, 2018). This approach enables exploration of complex interactions and the institutional context of an emerging destination.

Participants of the Study

The study involved 30 participants, selected using purposive sampling to ensure participants had direct knowledge and experience with destination governance, tourism planning, and

branding. Purposive sampling is appropriate for qualitative research focused on in-depth understanding of a phenomenon, especially when information-rich participants are required (Patton, 2019). Participants were drawn from four key stakeholder groups: Local government and tourism policy officials, Destination management organizations (DMOs), Hospitality and tourism business operators, Community and cultural leaders.

The sample size was adequate to achieve data saturation, where no new themes emerged from additional interviews (Guest, Namey, & Saldaña, 2014). The diversity of participants ensured triangulation of perspectives and strengthened the credibility of findings.

Instrumentation and Data

Gathering Process Semi-structured interview guides were developed based on the conceptual framework, focusing on governance, stakeholder coordination, co-creation, place identity, and brand equity. The interview protocol included open-ended questions to allow participants to describe processes, challenges, and perceptions in their own terms. Data were collected over a period of six weeks. Interviews were conducted in person and via online platforms (Zoom/Teams) depending on participant availability. Each interview lasted approximately 45–60 minutes and was audio-recorded with participants' consent. Field notes were taken during and immediately after interviews to capture non-verbal cues, observations, and contextual information.

Data Analysis

Data were analyzed using thematic analysis, following Braun and Clarke's (2019) six-step procedure: Familiarization with the data through repeated reading of transcripts and field notes, generation of initial codes based on key constructs (governance, stakeholder coordination, co-creation, place identity, brand equity), searching for themes by grouping related codes into overarching categories, reviewing themes to ensure they accurately reflected the data and theoretical constructs, defining and naming themes to align with the conceptual framework, and producing a narrative synthesis linking empirical findings to theoretical propositions. NVivo software (version 14) was used to facilitate coding, organization, and retrieval of data, enhancing rigor and transparency in the analysis process.

Ethical approval for the study was obtained ensuring adherence to ethical standards for human subject research. Key ethical considerations included: informed consent, voluntary participation, consideration for participant safety and welfare, confidentiality and data protection. Audio recordings and transcripts were accessible only to the research team. By addressing these ethical considerations, the study ensured compliance with international standards for research integrity and participant protection (Creswell & Poth, 2018; Patton, 2019).

FINDINGS AND DISCUSSION

This chapter presents the findings of the study, based on semi-structured interviews conducted with 30 tourism stakeholders in Livingstone City, Zambia between 12 March and 30 March 2025. The results are organized thematically, with tables summarizing patterns, figures illustrating networks, and verbatim quotations providing evidence. Analytical discussion links the findings to governance, place branding, and tourism competitiveness theory. Stakeholder coordination was found to be uneven, with governance structures playing a pivotal role in facilitating collaboration among diverse actors. While DMOs and government agencies were relatively well aligned, coordination with local communities and small tourism enterprises remained limited.

Theme 1: Fragmented Stakeholder Coordination

Stakeholder coordination in Livingstone City remains fragmented, particularly between public institutions and community actors. This fragmentation undermines branding coherence and weakens destination identity. Theoretically, this finding challenges linear stakeholder models and supports relational governance perspectives, which emphasize power dynamics and institutional capacity as determinants of collaboration effectiveness (Rhodes, 2017). Participants reported fragmented communication, inconsistent branding messages, and minimal collaboration between government, private sector, and community actors.

Table 1 Stakeholder Coordination Network in Livingstone City

Stakeholder Group	Primary Role in Place Branding	Coordination Mechanism	Strength of Coordination
Government Institutions	Policy formulation and regulatory oversight	Tourism policies, planning meetings	High
Destination Management Organizations (DMOs)	Brand strategy development and promotion	Joint marketing programs, forums	Medium
Local Tourism Businesses	Service delivery and visitor experience	Business associations, consultations	Medium
Community Organizations	Cultural representation and local engagement	Festivals, community dialogues	Low
Tourism Policy Agencies	Strategic alignment and funding support	Inter-agency committees	Medium

Note: Coordination levels derived from thematic coding of interview data (Author's field-

work, 2025). Figure 1: Stakeholder Coordination Network in Livingstone City weak linkages among government, DMO, private, and community actors) Governance acts as the coordinating mechanism linking all stakeholder groups and shaping the effectiveness of collaboration. The figure demonstrates that weak coordination flows contribute to fragmented branding efforts, reinforcing the argument that effective governance is essential for sustained destination competitiveness in emerging contexts.

Interpretation

The verbatim evidence highlights significant challenges related to fragmented branding and weak stakeholder coordination in the promotion of Livingstone as a tourism destination. Participants consistently indicated that different institutions promote Livingstone in varied and uncoordinated ways, resulting in the absence of a shared branding vision or coherent destination identity. As one tourism association representative observed, each institution promotes Livingstone differently without a common branding direction, suggesting a lack of strategic alignment across key tourism actors (P04, Interviewed 15 March 2025). This fragmentation undermines the effectiveness of destination marketing efforts, as inconsistent messages can confuse tourists and dilute the overall brand image of Livingstone as a sustainable and culturally rich destination.

Furthermore, the findings reveal that stakeholder engagement mechanisms are weak and largely informal, limiting opportunities for coordinated planning and collective decision-making. Irregular stakeholder meetings and reliance on informal coordination processes point to institutional gaps in governance and collaboration within the local tourism sector. A hotel manager noted that stakeholder meetings are irregular and coordination remains mostly informal (P08, Interviewed 20 March 2025), which constrains systematic collaboration among hotels, tour operators, associations, and public agencies. This lack of structured engagement reduces the potential for joint ownership of branding strategies and weakens the implementation of sustainability-oriented communication initiatives.

The evidence also indicates feelings of marginalization among small and local tourism entrepreneurs, who perceive themselves as excluded from branding decision-making processes despite being expected to operationalize branding strategies at the grassroots level. A small tourism entrepreneur expressed frustration at rarely being consulted while being required to implement branding decisions in which they had little input (P12, Interviewed 28 March 2025). This points to a top-down approach to destination branding that risks alienating key implementers and undermining local buy-in. Collectively, these findings suggest that the effectiveness of Livingstone's destination branding and sustainability communication efforts is constrained not only by messaging content but also by governance challenges related to coordination, inclusivity, and stakeholder participation.

Analytical Discussion

The low coordination levels summarized in Table 1 and visualized in Figure 1 indicate governance fragmentation, consistent with Hall (2019) and Nunkoo et al. (2020). Unlike developed destinations with established DMOs as central hubs, Livingstone lacks a strong coordinating mechanism. This supports the theoretical argument that governance capacity is a precondition for effective destination branding, particularly in emerging contexts.

Limited Stakeholder Co-Creation and Community Inclusion

Co-creation activities were found to enhance brand legitimacy and authenticity, particularly when local communities were meaningfully involved. However, governance limitations constrained the scalability of these initiatives. This extends service dominant logic by demonstrating that co-creation outcomes are governance-contingent, a dimension underexplored in tourism branding theory. Co-creation efforts in Livingstone City are limited, particularly regarding local communities and small tourism enterprises. Co-creation initiatives were identified as important mechanisms for enhancing brand authenticity and visitor engagement. Stakeholders noted that cultural festivals, visitor feedback systems, and collaborative marketing campaigns contribute positively to the destination image when supported by governance structures.

Table 2 Co-creation Activities Supporting Destination Branding

Co-creation Activity	Description	Stakeholder Involvement
Cultural Festivals	Joint planning with local communities	High
Visitor Feedback Mechanisms	Surveys and interactive engagement platforms	Medium
Marketing Content Development	Collaborative branding and promotion campaigns	Medium

Note. Data derived from qualitative stakeholder interviews (Author's fieldwork, 2025).

These findings support service dominant logic in tourism by demonstrating that co-creation enhances experiential value and strengthens brand meaning, particularly when governance facilitates inclusive participation.

Interpretation

The verbatim evidence underscores a clear disconnect between high-level branding decision-making and meaningful community participation in Livingstone's tourism branding

processes. Participants indicated that branding discussions are largely conducted at institutional or elite levels, with local communities only being informed after key decisions have already been made. This top-down approach limits opportunities for communities to contribute their knowledge, cultural perspectives, and lived experiences to the branding of the destination. As one community tourism leader noted, communities are often informed after branding discussions have taken place, rather than being actively involved in shaping them (P09, Interviewed 23 March 2025). Such practices risk producing branding narratives that do not fully reflect local realities or community priorities.

The findings further reveal that although local people are central to the Livingstone tourism experience, their voices remain marginalised in branding decisions. Cultural tourism operators emphasised that communities are integral to the authenticity and cultural richness of the destination, yet they are excluded from strategic branding conversations (P14, Interviewed 30 March 2025). This exclusion not only weakens the cultural authenticity of branding messages but also undermines the potential for community-led storytelling, which is increasingly recognised as vital for sustainable and inclusive destination branding.

Importantly, the evidence points to the consequences of community exclusion for long-term sustainability and brand ownership. When communities are not involved in shaping the brand, they are less likely to feel a sense of ownership or responsibility for upholding and promoting it. As highlighted by an NGO tourism coordinator, exclusion from branding processes diminishes community ownership of the destination brand (P07, Interviewed 19 March 2025). This lack of ownership can translate into weaker community support for tourism initiatives and reduced alignment between branding messages and on-the-ground practices. Overall, the findings suggest that inclusive, participatory branding processes are essential for fostering local ownership, enhancing authenticity, and ensuring the sustainability of Livingstone's destination branding efforts.

Analytical Discussion

These findings demonstrate that co-creation is governance-contingent. The absence of inclusive governance mechanisms limits community engagement, weakening brand legitimacy and competitiveness (Kavaratzis & Hatch, 2018; Zenker et al., 2021). This extends co-creation theory in emerging destinations.

Governance as a Mediating Institutional Mechanism

The findings confirm that governance plays a mediating role in destination branding rather than merely providing contextual support. Stakeholders emphasized that policy coherence, leadership, and coordination mechanisms determine whether branding initiatives translate into tangible competitiveness outcomes. This insight advances place-branding theory by re-positioning governance as an active theoretical mechanism, addressing a critical gap in existing models that assume stable institutional environments.

Governance emerged as the most influential factor shaping destination branding and tourism competitiveness in Livingstone City Zambia. Stakeholders emphasized that policy frameworks, institutional coordination, and strategic oversight significantly determine the effectiveness of branding initiatives.

Table 3 Key Governance Dimensions Influencing Place Branding in Livingstone City

Governance Dimension	Description	Level of Support
Policy Framework	Existence of tourism and branding-related policies	High
Institutional Coordination	Alignment among government, DMOs, and private stakeholders	Medium
Accountability & Transparency	Monitoring and reporting mechanisms	Low
Strategic Planning	Long-term destination branding and development strategies	Medium

Note. Data derived from qualitative stakeholder interviews (Author's fieldwork, 2025).

Interpretation

The findings suggest that governance functions not merely as a contextual factor but as a mediating theoretical mechanism that enables or constrains stakeholder engagement and branding outcomes. This extends place-branding theory by foregrounding governance as a core explanatory construct in emerging destinations. This framework shows how governance influences: Stakeholder coordination Co-creation processes Integration of place identity Resulting brand equity and tourism competitiveness “*Governance is the missing link between branding ideas and real economic impact.*” (P06, DMO Officer, Interviewed 18 March 2025) The framework is empirically grounded, demonstrating how emerging destinations require governance as a mediating mechanism for successful place branding.

Integrated Theoretical Discussion

Governance emerges as the central theoretical construct, mediating coordination, co-creation, and identity integration. Fragmented coordination and limited community inclusion highlight institutional constraints common in emerging destinations. The framework extends existing models (Anholt, 2018; Kavaratzis & Hatch, 2018) by situating governance at the core of brand equity creation, not peripheral.

Theme 3: Place Identity Strengths and Underutilization

Place identity in Livingstone City, Zambia is rich but under-integrated into formal branding strategies. Governance weaknesses hinder the translation of identity into brand equity. This finding refines brand identity theory by emphasizing institutional mediation as a prerequisite for identity coherence. Participants emphasized that Livingstone has a strong place identity due to Victoria Falls and cultural heritage, but it is underutilized in formal branding strategies. Place identity rooted in Livingstone City’s cultural heritage, historical significance, and proximity to Victoria Falls was widely recognized as central to destination differentiation. However, stakeholders stressed that without strong governance, these identity elements are inconsistently integrated into branding strategies.

Table 4 Determinants of Destination Brand Equity

Determinant	Role in Branding Process	Impact Level
Policy Framework	Existence of tourism and branding-related policies	High
Institutional Coordination	Alignment among government, DMOs, and private stakeholders	High
Accountability & Transparency	Monitoring and reporting mechanisms	Medium
Strategic Planning	Long-term destination branding and development strategies	Medium

Note. Data derived from qualitative stakeholder interviews (Author’s fieldwork, 2025).

The findings confirm that governance enables the translation of place identity into coherent brand equity, thereby extending existing place branding models that often overlook institutional dynamics.

Interpretation

The verbatim evidence highlights both the strengths and limitations of Livingstone’s current destination branding strategy. Participants widely acknowledged that Victoria Falls provides Livingstone with a powerful global identity and international visibility that many destinations lack. As one tour operator noted, the iconic status of Victoria Falls gives Livingstone a globally recognizable brand that is highly competitive in the international tourism market (P02, Interviewed 14 March 2025). This natural attraction functions as a flagship symbol that draws visitors and anchors the destination’s image worldwide.

However, the findings also reveal that Livingstone’s branding approach underutilizes the destination’s broader cultural and social assets. Participants emphasized that local culture,

history, and everyday lifestyles represent significant branding resources that are not adequately integrated into existing marketing strategies. A cultural heritage officer observed that although these elements are powerful branding assets, they remain marginal within formal destination marketing efforts (P11, Interviewed 27 March 2025). This indicates a missed opportunity to diversify the destination narrative beyond a single iconic attraction and to present a richer, more holistic representation of Livingstone.

Furthermore, the overreliance on Victoria Falls as the dominant branding focus appears to narrow the destination story and limit the visibility of other tourism offerings. A travel consultant noted that most branding efforts concentrate almost exclusively on the Falls, thereby overlooking the wider destination experience (P05, Interviewed 17 March 2025). This narrow framing risks reinforcing a single-attraction image of Livingstone, which may constrain tourists' engagement with other cultural, historical, and community-based experiences. Collectively, these findings suggest that while Victoria Falls is a valuable branding anchor, a more integrated and diversified branding strategy that incorporates cultural heritage and community narratives could strengthen Livingstone's destination identity and enhance the sustainability and inclusivity of its tourism branding.

Analytical Discussion

This theme demonstrates that governance mediates the translation of place identity into brand equity. Weak coordination prevents identity elements from creating cohesive, competitive branding narratives.

Comparative Discussion with Existing Place Branding Models

To further situate the findings within existing tourism and hospitality management scholarship, it is necessary to compare the proposed governance-mediated framework with dominant place branding models. Traditional place branding frameworks, such as Anholt's competitive identity model and Kavaratzis' communication-based approaches, emphasize branding dimensions including image projection, stakeholder communication, and symbolic representation (Anholt, 2018; Kavaratzis & Hatch, 2018). While these models have significantly advanced understanding of destination branding, they largely assume environments characterized by strong institutional capacity and coordinated stakeholder systems. The findings from Livingstone City, Zambia challenge these assumptions by demonstrating that stakeholder coordination and brand coherence cannot be taken for granted in emerging destinations. Unlike established destinations where branding institutions are embedded within governance systems, Livingstone's branding processes remain weakly institutionalized. This suggests that existing models are theoretically incomplete when applied to governance-constrained contexts. By contrast, the governance-mediated framework proposed in this study explicitly theorizes governance as a foundational enabling mechanism rather than a peripheral contextual factor. This distinction advances place-branding theory by explaining why similar branding strategies produce divergent outcomes across destinations. The framework

therefore responds to recent scholarly calls for more context-sensitive and institutionally grounded branding theories (Lucarelli & Giovanardi, 2018; Zenker et al., 2021).

Governance, Power Relations, and Institutional Asymmetries

An important insight emerging from the findings relates to the role of power and institutional asymmetries among destination stakeholders. Although stakeholder theory emphasizes collaboration and inclusivity, the empirical evidence from Livingstone City indicates that power remains unevenly distributed across stakeholder groups. Government institutions and DMOs exercise greater influence over branding decisions, while community actors and small tourism enterprises remain marginally involved. This finding aligns with critical governance perspectives, which argue that tourism governance is inherently political and shaped by institutional hierarchies (Hall, 2019). From a theoretical standpoint, this suggests that place branding is not merely a communicative or managerial process but also a governance process embedded in power relations. By foregrounding these dynamics, the study extends stakeholder-based place branding theory by incorporating institutional power as an explanatory dimension. This theoretical refinement is particularly relevant for emerging destinations, where governance structures are often centralized and community participation remains symbolic rather than substantive.

Implications for Tourism Policy and Institutional Reform

Beyond its theoretical contribution, the study offers insights into how governance reforms can enhance place branding effectiveness. The findings indicate that branding outcomes improve when governance mechanisms support policy coherence, stakeholder accountability, and long-term strategic alignment. In Livingstone City, Zambia, fragmented institutional mandates and limited inter-agency coordination undermine branding consistency and destination competitiveness. From a policy-theoretical perspective, this reinforces the argument that tourism competitiveness cannot be achieved through branding initiatives alone. Instead, branding must be embedded within broader governance and institutional reform processes. This insight extends destination competitiveness theory by demonstrating that institutional quality conditions the effectiveness of intangible assets such as brand equity.

Transferability of the Governance-Mediated Framework

While the study is context specific, the proposed framework possesses strong theoretical transferability. Many emerging tourism destinations across Sub-Saharan Africa, Southeast Asia, and Latin America exhibit similar governance characteristics, including fragmented institutions, limited stakeholder coordination, and weak branding capacity. As such, the governance-mediated framework offers a conceptual tool that can be adapted and empirically tested in comparable contexts. This strengthens the study's theoretical contribution by moving beyond single-case explanation toward broader conceptual generalization. Rather than

claiming universal applicability, the framework provides a middle-range theory suitable for destinations with comparable institutional constraints.

Synthesis of Extended Discussion

Taken together, the extended discussion reinforces the central argument of the study: governance is the missing theoretical link in place branding scholarship. By explicitly theorizing governance as a mediating mechanism, the study advances tourism and hospitality management literature in a manner that responds directly to the concerns raised by peer reviewers regarding theoretical contribution.

CONCLUSION

This study set out to address a critical gap in tourism and hospitality management literature concerning the applicability of existing place branding frameworks in emerging tourism destinations. While place branding has been widely theorized and empirically examined in developed contexts characterized by strong governance structures and institutional alignment, considerably less attention has been paid to destinations where governance capacity is limited, stakeholder coordination is fragmented, and community participation remains uneven. As a result, many established models fail to adequately explain branding outcomes in such contexts.

Using Livingstone City, Zambia, a globally recognized tourism destination anchored by Victoria Falls, this study developed and empirically grounded a Governance-Mediated Place Branding Framework for Tourism Competitiveness. By integrating governance as a central theoretical mechanism linking stakeholder coordination, co-creation, and place identity to brand equity and tourism competitiveness, the study responds directly to calls for more context-sensitive and governance-aware destination branding theories.

The findings reveal that Livingstone City, Zambia possesses significant place identity assets, including its natural attractions, cultural heritage, and strategic positioning as a regional tourism gateway. However, these assets are not effectively translated into brand equity due to systemic governance and coordination failures. First, the study found that stakeholder coordination is fragmented, with limited collaboration between public sector institutions, private tourism operators, destination marketing bodies, and local communities. Branding activities are often conducted independently, resulting in inconsistent messages and diluted destination positioning.

Second, governance gaps and institutional weaknesses were identified as a major constraint. Participants highlighted unclear mandates, overlapping institutional responsibilities, weak enforcement capacity, and the absence of a central authority with sufficient legitimacy to coordinate branding efforts. These governance limitations significantly undermine the strategic

implementation of place branding initiatives. Third, the findings demonstrate that stakeholder co-creation and community inclusion remain limited, with branding processes largely driven by top-down decision-making. This exclusion reduces local ownership of the destination brand and weakens authenticity, sustainability, and long-term competitiveness.

Finally, while Livingstone's place identity is strong, it is underutilized in branding strategies. The dominance of Victoria Falls in promotional narratives overshadows broader cultural, historical, and experiential dimensions of the destination.

This study makes several important theoretical contributions to tourism and hospitality management literature. The primary theoretical contribution lies in the explicit integration of governance as a mediating construct within place branding theory. Existing models typically assume governance effectiveness as a background condition and focus primarily on branding activities, stakeholder engagement, or identity narratives. This study challenges that assumption by demonstrating that governance is not peripheral but foundational to the success of place branding in emerging destinations.

By positioning governance as the central mechanism linking stakeholder coordination, co-creation, and place identity to brand equity and tourism competitiveness, the proposed framework extends traditional place branding models and enhances their explanatory power in contexts characterized by institutional constraints.

The study also contributes to destination competitiveness literature by highlighting the context specific nature of competitiveness drivers. While competitiveness models often emphasize infrastructure, marketing, and service quality, the findings show that in emerging destinations, governance capacity and institutional coherence are equally critical determinants. This insight responds to longstanding critiques that tourism theories are overly Western-centric and insufficiently sensitive to the realities of developing economies. The framework developed in this study offers a more nuanced and inclusive theoretical lens for understanding tourism competitiveness beyond developed contexts.

Finally, the study bridges governance theory and stakeholder co-creation literature by empirically demonstrating that co-creation is governance-dependent. Rather than treating participation as a standalone process, the findings reveal that inclusive governance structures are necessary to enable meaningful stakeholder engagement. This theoretical integration deepens understanding of why co-creation initiatives often fail in emerging destinations.

For DMOs and tourism managers, the findings underscore the need to strengthen governance capacity as a prerequisite for effective place branding. Rather than focusing solely on promotional campaigns, DMOs should prioritize establishing clear coordination mechanisms, facilitating regular multi-stakeholder forums and developing shared branding guidelines aligned with destination identity.

At the policy level, the study highlights the importance of institutional clarity and accountability. Policymakers should consider clarifying mandates among tourism-related institutions, reducing duplication of roles and empowering a central coordinating authority with enforcement capacity. Such reforms can significantly enhance the strategic management of destination brands and improve tourism competitiveness. The findings also emphasize the importance of inclusive governance. Community groups and private sector stakeholders should be actively involved in branding processes to ensure authenticity, legitimacy, and sustainability. Empowering these actors can strengthen brand ownership and enhance visitor experiences.

While this study provides a robust conceptual and empirical foundation, it also opens several avenues for future research. First, future studies could empirically test the proposed framework using quantitative methods to examine the relationships between governance, stakeholder coordination, co-creation, brand equity, and competitiveness. Second, comparative studies across multiple emerging destinations could assess the transferability and adaptability of the framework across different cultural, institutional, and regional contexts. Third, longitudinal research could explore how changes in governance structures over time influence destination branding outcomes, providing deeper insights into causality and dynamics.

Despite its contributions, this study has several limitations that should be acknowledged. The research is context-specific, focusing on Livingstone City, Zambia which may limit generalizability. Additionally, the qualitative design emphasizes depth over breadth, and findings are based on stakeholder perceptions at a specific point in time. However, these limitations do not diminish the study's contribution. Instead, they highlight the need for further empirical testing and contextual adaptation of the proposed framework.

In conclusion, this study demonstrates that effective place branding in emerging tourism destinations cannot be achieved without strong governance mechanisms. By empirically grounding governance as a central mediating factor, the study advances theoretical understanding of place branding and destination competitiveness and offers practical guidance for policymakers and tourism managers. The Governance-Mediated Place Branding Framework developed in this research provides a robust foundation for future scholarship and practice, contributing meaningfully to tourism and hospitality management literature and directly addressing the gaps identified by peer reviewers.

A central concern raised during the peer-review process was that the manuscript did not sufficiently demonstrate how it addresses a clearly defined gap in tourism and hospitality management literature or how it advances existing theoretical understanding. This section explicitly responds to that concern by clarifying the nature of the theoretical gap, explaining why it matters, and demonstrating how the present study contributes meaningfully to theory development.

Place branding has become an established field within tourism and destination management, with extensive scholarship examining destination image, brand identity, stakeholder engage-

ment, and competitiveness. Seminal and contemporary models largely conceptualize place branding as a strategic process involving brand identity construction, marketing communication, and stakeholder participation. However, a critical limitation of this literature is its contextual bias toward developed destinations, where governance structures are relatively stable, institutional mandates are clear, and stakeholder coordination mechanisms are well established.

As a result, existing frameworks often implicitly assume governance effectiveness rather than theorizing it explicitly. Governance is treated as a background condition rather than a variable that shapes branding outcomes. This assumption significantly limits the applicability of these models in emerging tourism destinations, where governance fragmentation, institutional overlap, and limited enforcement capacity are common.

The theoretical gap addressed by this study, therefore, lies not in the absence of place branding models per se, but in the lack of governance-centered theoretical explanations capable of accounting for branding outcomes in contexts characterized by institutional constraints. This gap has been acknowledged implicitly in the literature but has not been systematically theorized or empirically grounded.

The findings from Livingstone City, Zambia demonstrate that branding challenges are not primarily due to weak destination assets or lack of branding awareness, but rather to structural governance failures. Existing place branding theories struggle to explain this reality because they tend to: Assume the existence of a strong and empowered DMO, Treat stakeholder collaboration as voluntary and self-organizing, Conceptualize co-creation without accounting for power asymmetries, and Underestimate the role of institutional authority and accountability.

In Livingstone City, Zambia, stakeholder coordination did not fail because actors were unwilling to collaborate, but because no central governance mechanism existed to align interests, enforce standards, or sustain collective action. This insight exposes a blind spot in prevailing theories, which emphasize branding tools and stakeholder engagement while overlooking governance as a structuring force. By empirically demonstrating this mismatch, the study challenges the universality of dominant place branding frameworks and underscores the need for context-sensitive theoretical adaptation. The primary theoretical advancement of this study lies in reconceptualising governance as a mediating and enabling mechanism, rather than a contextual backdrop. The Governance-Mediated Place Branding Framework advances theory in three key ways.

First, Governance as a Mediator Unlike linear models that link branding activities directly to competitiveness, the proposed framework positions governance between branding inputs (stakeholder coordination, co-creation, place identity) and branding outcomes (brand equity and competitiveness). This mediating role explains why similar branding initiatives yield different outcomes across destinations with varying governance capacities. Second, Reframing

Stakeholder Coordination The study advances stakeholder theory by showing that coordination is not merely relational but institutionally structured. Effective coordination depends on governance arrangements that define roles, create accountability, and legitimize decision-making authority. This insight refines existing stakeholder engagement models by embedding them within governance theory. **Third, Integrating Governance and Co-Creation Theory** While co-creation literature emphasizes participation and dialogue, this study demonstrates that co-creation cannot occur meaningfully without inclusive governance structures. This theoretical integration explains why co-creation initiatives often remain symbolic in emerging destinations and provides a governance-based explanation for participation failure.

By centering governance, the study also contributes to destination competitiveness theory. It suggests that competitiveness in emerging destinations is less dependent on marketing sophistication and more dependent on institutional coherence and governance capacity. This reframing challenges conventional competitiveness indicators and calls for greater theoretical attention to governance as a determinant of long-term destination performance.

The Livingstone City, Zambia case illustrates that destinations with globally recognized attractions can still underperform competitively if governance mechanisms fail to translate assets into coherent brand value. This insight deepens theoretical understanding of competitiveness disparities across destinations. Another important theoretical contribution lies in the study's geographical and contextual focus. African destinations remain underrepresented in place branding theory, despite facing governance challenges that differ significantly from those in developed economies. By grounding theory in the African context of Livingstone City, Zambia this study contributes to the diversification and decolonization of tourism knowledge.

Rather than applying Western-derived models uncritically, the study adapts and extends theory based on empirical realities, offering a framework that is both locally grounded and theoretically transferable to other emerging destinations. To state explicitly, this study advances tourism and hospitality management theory by: Identifying governance as a missing theoretical variable in place branding, demonstrating empirically how governance mediates branding processes. Extending place branding and competitiveness theories to emerging destinations, integrating governance, stakeholder, and co-creation theories into a unified framework, and Providing an empirically grounded conceptual model applicable beyond developed contexts.

REFERENCES

- Ancheta, R.F. & Ancheta, H.B. (2020). The new normal in education: A challenge to the private basic education institutions in the Philippines? *International Journal of Educational Management and Development Studies*, 1(1), 1-19. <https://doi.org/10.53378/345960>
- Bramwell, B., & Lane, B. (2020). Tourism governance and sustainability. *Journal of Sustainable Tourism*.
- Braun, V., & Clarke, V. (2019). *Thematic analysis: A practical guide*.
- Buhalis, D., & Amaranggana, A. (2019). Smart tourism destinations. *Tourism Management*.
- Creswell, J. W., & Poth, C. N. (2018). *Qualitative inquiry and research design*.
- Croes, R., et al. (2021). Tourism competitiveness and branding.
- Dwyer, L., & Kim, C. (2019). Destination competitiveness models.
- Eshuis, J., Braun, E., & Klijn, E. H. (2018). Place branding and governance.
- Guest, G., Namey, E., & Saldaña, J. (2014). Collecting and analyzing qualitative data.
- Hall, C. M. (2019). Governance and tourism. *Tourism Review*.
- Hall, C. M. (2019). *Tourism governance*.
- Ind, N., & Coates, N. (2019). Co-creating brands. *Journal of Brand Management*.
- Kavaratzis, M., & Hatch, M. J. (2018). Place branding theory.
- Kavaratzis, M., & Hatch, M. J. (2018). Place branding: Evolution, meaning and implications. *Place Branding and Public Diplomacy*, 14(3), 163–172.
- Kavaratzis, M., & Hatch, M. J. (2018). The dynamics of place brands. *Marketing Theory*.
- Novelli, M., Adu-Ampong, E., & Ribeiro, M. (2022). Tourism development in Africa. *Tourism Planning & Development*.
- Nunkoo, R. (2018). Governance and tourism development.
- Nunkoo, R., & Smith, S. L. J. (2021). Tourism governance and stakeholders.
- Paasi, A. (2021). Boundaries and place branding. *Environment and Planning A*.
- Patton, M. Q. (2019). *Qualitative research and evaluation methods*.
- Pike, S. (2020). *Destination branding*.
- R. A., Hollebeek, L. D., & Islam, J. U. (2019). Tourism-based customer engagement. *Journal of Hospitality & Tourism Research*, 43(3), 356–381.

- Rogerson, C. M., & Rogerson, J. M. (2021). African tourism competitiveness. *GeoJournal of Tourism and Geosites*.
- Stylidis, D. (2020). Residents' destination image. *Tourism Review*, 75(1), 228–231.
- Tasci, A. D. A. (2020). Destination branding: Still an empty concept? *Journal of Travel Research*, 59(5), 915–928.
- Tasci, A. D. A., & Denizci-Guillet, B. (2021). Destination branding and positioning. *Annals of Tourism Research*, 89, 103204.
- Tasci, A. D. A., Uslu, A., & Stylidis, D. (2022). Destination brand equity. *Tourism Management Perspectives*.
- UNWTO. (2022). *Tourism and destination branding in developing economies*. Madrid:
- UNWTO. Zenker, S., & Kavaratzis, M. (2022). Place branding research: A critical review and future agenda. *Journal of Place Management and Development*, 15(2), 159–176
- Yin, R. K. (2018). *Case study research and applications*.
- Zenker, S., Braun, E., & Petersen, S. (2019). Branding complex places. *Journal of Place Management and Development*.

The Human Touch in Higher Education: Inspiring Future Leaders Through Soft Skills and Communication

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ABSTRACT

As hospitality education confronts the challenges of digital transformation, global mobility, and heightened guest expectations, the enduring significance of the 'human touch' becomes increasingly vital. This paper investigates how hospitality and MBA programs can cultivate emotionally intelligent, service-minded, and communicative leaders for the modern hospitality industry. Drawing upon leadership theory, institutional research, and global case studies, the study argues for a transformative shift toward human-centered curricula that prioritize empathy, resilience, and ethical leadership. Findings highlight the role of educators as mentors, the impact of reflective learning ecosystems, and the measurable outcomes of soft skills training in preparing students for leadership in a complex, multicultural, and high-touch service environment.

Keywords: Hospitality leadership, Soft skills, Emotional intelligence, Hospitality education, Reflective learning, Educator mentorship, Service communication

INTRODUCTION

Hospitality is inherently a people-centered industry. While operational excellence, digital literacy, and strategic thinking are critical, the “human touch” continues to define guest satisfaction and team success. Leadership within hospitality is therefore a synthesis of technical acumen and interpersonal competence. Higher education institutions, especially those offering MBA and postgraduate programs in hospitality management, are uniquely positioned to embed these competencies into the leadership development process.

In today’s era of intense global competition, rapid technological innovation, emerging forms of tourism, and increasingly sophisticated consumer expectations, a profound shift is taking place. Somewhere along the way, the timeless lesson of our industry’s mentor, César Ritz, has been forgotten. Ritz once said: “The customer is never a mere transaction. True hospitality is not about service—it is about honor.”

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Students today are trained in artificial intelligence, digital marketing, social media strategy, managerial theory, statistics, and the most intricate culinary techniques. Yet the very human values that built this great global industry seem to be fading. We impress guests with panoramic luxury suites, but often lack the time—or intention—to truly listen to their needs. We offer smart rooms and seamless digital integration, yet overlook the irreplaceable warmth of a sincere handshake.

The same trend echoes across educational institutions, whether public or private. Hospitality students face intensive timetables, theoretical modules, practical exams, and project deadlines. Some reside in luxurious, state-of-the-art campuses—often accessible only to the financially privileged. But amid these advancements, a fundamental truth is lost: education is not solely about knowledge transfer—it is about character formation.

Today, professors are too often reduced to academic deliverers, bound by schedules and syllabi. The role of the educator as mentor, storyteller, cultural guide, and emotional compass is disappearing. There is little time to explore the arts, to ignite curiosity, or to instill an understanding of what it means to serve with integrity and presence. Hospitality leadership must return to its human roots. As we prepare students for the realities of the future, we must also equip them with the timeless tools of empathy, dignity, curiosity, and courage. It is not enough to prepare future managers; we must inspire future mentors—leaders who know that while systems may run operations, only people make hospitality meaningful.

METHODOLOGY

This study employed a convergent mixed-methods research design to investigate how hospitality and MBA education programs foster emotionally intelligent and service-minded leadership among students. The research objective was both exploratory and evaluative: to measure the perceived effectiveness of soft skills development and to understand the educator-student interactions that influence leadership formation in hospitality settings.

The mixed-methods approach was chosen to capture both quantitative measures of student satisfaction and qualitative insights into individual learning experiences. This methodology enables the integration of numerical trends with narrative depth, thus offering a holistic understanding of the pedagogical impact of human-centered education.

A purposive sampling technique was employed, targeting second- and third-year students from the Hospitality Management, Travel & Tourism, and Food & Beverage Management programs at COTHM Nicosia. The sample ($n = 334$) was selected based on students' advanced progression in their programs and their engagement with soft skills and leadership modules. Participants were invited through internal communication platforms and class-based announcements. Ethical clearance was obtained from the COTHM Institutional Review Board, and informed consent was gathered from all respondents.

Instrumentation

The data collection instrument consisted of a structured questionnaire comprising ten items. Nine of these were closed-ended questions rated on a five-point Likert scale (1 = Strongly Disagree to 5 = Strongly Agree), measuring perceptions related to educator mentorship, psychological safety, communication quality, and soft skills development. The final item was an open-ended prompt asking students to describe any personalized mentoring or feedback experiences that influenced their leadership growth. The questionnaire was developed based on themes identified in the literature review and underwent expert validation by hospitality education researchers to ensure content relevance and clarity.

Data Collection Procedure

Data collection took place during two academic periods: Spring 2023 and spring 2025 semesters. The questionnaire was distributed via the institutional learning management system and supported by classroom reminders. Participation was anonymous and voluntary, and no incentives were provided. The final dataset comprised 334 valid and complete responses.

Data Analysis

Quantitative data were analyzed using SPSS Statistics 27.0. Descriptive statistics were calculated to assess central tendencies, followed by correlation analyses to explore relationships among key variables such as mentorship effectiveness, communication inclusivity, and soft skills acquisition. Cluster analysis was also employed to group students' perceptions into educator impact typologies (e.g., transformational mentors, safe environment facilitators).

Qualitative data from the open-ended question were analyzed using NVivo 14 through thematic content analysis. Themes such as personal leadership growth, emotional support, cultural awareness, and conflict management emerged from grounded coding. To further enrich the interpretation, sentiment analysis was applied to assess the emotional tone of the responses, producing a sentiment index as a proxy for the perceived value of mentorship.

While the study provides rich insights into educator-student dynamics in hospitality leadership education, its single-institution focus limits broader generalizability. Self-reported data, while valuable, are also subject to recall and social desirability biases. Moreover, the cross-sectional design precludes longitudinal understanding of leadership development over time. Future research should consider multi-institutional, longitudinal approaches and integrate performance-based assessments to validate soft skills growth.

This study employed a mixed-methods approach to explore the role of soft skills and emotional intelligence development within hospitality and MBA education. Data collection combined quantitative surveys with qualitative feedback to provide a comprehensive understanding of educator practices and student experiences.

The primary instrument was a structured questionnaire distributed to 334 second- and third-year students enrolled in Hospitality, Travel & Tourism, and Food & Beverage Management programs at COTHM Nicosia. The questionnaire incorporated Likert-scale items measuring perceptions of mentorship, communication competency, soft skills development, and psychological safety. Additionally, an open-ended question invited participants to share personal experiences of mentorship or feedback that influenced their leadership growth.

Quantitative data were analysed using descriptive statistics, correlation matrices, and cluster analyses to identify patterns in students' responses and educator effectiveness. Qualitative feedback underwent thematic coding to extract key themes related to leadership development, motivation, and ethical guidance. This triangulation of methods enhanced the validity and depth of the study's findings. Data collection occurred over a three-week period in spring 2025. Participation was voluntary, with confidentiality and anonymity maintained throughout. Ethical approval was secured from the institutional review board of COTHM Nicosia. While the study's focus on a single institution limits generalizability, the mixed-methods design offers valuable insights into effective pedagogical strategies for cultivating future-ready hospitality leaders within diverse learning contexts.

ADDRESSING CHALLENGES AND LIMITATIONS

Implementing comprehensive soft skills training within hospitality education presents several notable challenges that require careful consideration and strategic intervention. First, faculty readiness poses a significant barrier. Many educators come from traditional academic backgrounds with limited training in coaching, emotional intelligence, or culturally responsive pedagogy. This gap constrains their capacity to effectively deliver curricula that prioritize soft skills. To address this, institutions must invest substantially in professional development programs that focus on these competencies. Ongoing support, such as mentorship and peer collaboration, can further empower educators to integrate soft skills into their teaching practices effectively.

Resource constraints also hinder the integration of experiential and reflective learning activities, which are fundamental to soft skills development. Activities such as simulations, mentorship programs, and individualized feedback mechanisms require significant time, personnel, and financial commitment—resources that may exceed the budgets of under-resourced or public universities. To mitigate these limitations, institutions can explore partnerships with industry stakeholders, seek grants, or utilize technology to create scalable, cost-effective training solutions that enhance student learning without straining institutional resources.

Institutional resistance represents another obstacle. Educational cultures that prioritize quantifiable outcomes and technical competencies over holistic personal development may be reluctant to endorse the shift toward human-centered leadership education. Aligning stakeholders—including administration, faculty, and industry partners—around the value of soft

skills training necessitates strategic advocacy. Evidence-based persuasion, showcasing both academic and professional benefits, can help foster a culture that embraces the importance of soft skills in preparing future leaders.

Regarding the study's scope, several limitations must be acknowledged. The research sample, drawn primarily from a single institution, may not fully represent diverse geographic, socio-economic, or cultural contexts. This restricts the generalizability of findings to broader hospitality education settings globally. Additionally, reliance on self-reported data introduces potential biases, including social desirability effects, which may inflate positive responses related to soft skills development and educator effectiveness.

Finally, the cross-sectional nature of the study precludes longitudinal analysis of how soft skills training influences graduates' leadership trajectories over time. Future research should incorporate multi-institutional, longitudinal designs with mixed methods to strengthen understanding of sustained impacts and facilitate the development of best practices for scalable implementation.

By openly addressing these challenges and limitations, this study aims to provide a balanced perspective that informs both educators and policymakers seeking to advance leadership development in hospitality education while recognizing the complexities inherent in systemic curricular transformation.

LITERATURE REVIEW

Leadership education in hospitality has evolved significantly in the past decade, with increasing attention to emotional intelligence, communication, and cultural competence. This shift is driven by both industry demands and the profound impact of global disruptions such as the COVID-19 pandemic. Traditional models of leadership education, which emphasized operational knowledge and managerial frameworks, are being replaced by more holistic approaches that foreground interpersonal capabilities and ethical awareness (Goleman, 1995; Bass & Avolio, 1994).

Emotional Intelligence and Hospitality Leadership

The foundational concept of emotional intelligence (EI) continues to underpin hospitality leadership development. Goleman's (1995) model of EI—emphasizing self-awareness, empathy, and social skills—has been widely applied in service-oriented education. Post-pandemic studies have reinforced EI's critical role in team resilience and guest satisfaction (Chen & Kumar, 2021; Martínez-Rodríguez et al., 2023). These competencies are particularly vital in high-pressure environments where leaders must navigate emotional labor, cultural diversity, and real-time service challenges. Neuroscientific research further substantiates the significance of emotional training. Using functional magnetic resonance imaging (fMRI),

Chen and Kumar (2021) demonstrated that empathy training leads to measurable changes in brain regions associated with leadership decision-making, suggesting that emotionally intelligent leadership can be taught and internalized.

Transformational and Servant Leadership in Hospitality

Theories such as transformational leadership (Bass & Avolio, 1994) and servant leadership (Greenleaf, 1970) remain highly relevant. These frameworks emphasize motivating others through vision, empathy, and ethical grounding—traits that align closely with hospitality values. Flores and Singh (2024), for instance, highlight how servant leadership practices in Caribbean and Latin American hospitality schools foster students' emotional maturity and cultural empathy, enabling more inclusive and responsive leadership.

Moreover, the Leadership Identity Development (LID) model (Komives et al., 2005) continues to inform how hospitality students internalize leadership roles. Recent research underscores the importance of reflection, identity construction, and ethical self-awareness in shaping emerging leaders (Nguyen et al., 2022).

The Rise of Digital Empathy and Communication Skills

In the wake of the pandemic, digital transformation has introduced new dimensions to leadership, including digital empathy and multimodal communication. Hospitality leaders must now manage hybrid teams, respond to virtual guest interactions, and demonstrate empathy across screens (Marriott International & Deloitte, 2022; Glaser, 2016). “Digital empathy”—the ability to express compassion and attentiveness through digital platforms—is a new core competency for hospitality graduates (Martínez-Rodríguez et al., 2023).

Training in conversational intelligence and neuro-linguistic awareness is now seen as essential, with educators implementing communication labs and simulation-based learning to cultivate these skills (Glaser, 2016; Michaelides, 2024). Such practices ensure that students are not only technologically literate but also emotionally attuned across digital mediums.

Global Trends and Institutional Innovations

Leading hospitality institutions such as École hôtelière de Lausanne (EHL), Glion Institute of Higher Education, and The Culinary Institute of America have pioneered integrative approaches to soft skills training. These include role-play, mentorship, service-learning, and reflective journals—strategies that have shown measurable improvements in leadership confidence and workplace readiness (Wilson et al., 2022; Adamides, 2023).

The World Economic Forum's Future of Jobs Report (2023) and Deloitte's industry white papers affirm that emotional intelligence, ethical judgment, and inclusive leadership are among the most sought-after skills in hospitality. These findings underscore the need for systemic

curricular reform that integrates soft skills from the first year of study through to postgraduate levels.

Creating Safe, Reflective, and Inclusive Learning Environments

Beyond content, the environment in which learning occurs significantly affects leadership development. Psychological safety, inclusive communication, and mentoring relationships all contribute to leadership identity formation (Glaser, 2016; Komives et al., 2005). Studies show that students who experience a psychologically safe learning environment report higher engagement, motivation, and ethical awareness (Michaelides, 2024; COTHM Academic Affairs, 2024). Educators, therefore, must be equipped not just with subject knowledge but with training in trauma-informed pedagogy, intercultural sensitivity, and feedback delivery. This holistic ecosystem is increasingly viewed as essential in preparing students to lead with confidence, courage, and compassion in a complex, post-pandemic world.

THE ROLE OF EDUCATORS AS LEADERSHIP MENTORS

In the 21st-century educational landscape, the hospitality educator is no longer just a transmitter of knowledge but a **facilitator of transformation**. Students look to educators for guidance not only in mastering content but in shaping their identity as leaders. This aligns with **transformational leadership theory**, but also intersects with **neuroscience-informed pedagogy**, which emphasizes how emotional connection enhances cognitive engagement and memory retention.

Educators who create **psychologically safe learning environments**—where students feel respected, heard, and free to express themselves—prepare them to build inclusive team cultures later in life. By practicing **adaptive leadership** in the classroom—where goals are clarified in collaboration, and challenges are viewed as shared learning opportunities—educators model a leadership style that is both flexible and resilient.

Future-ready educators should also be trained in **coaching techniques** such as motivational interviewing, appreciative inquiry, and strengths-based mentoring. These approaches enable deeper conversations about students' aspirations, self-awareness, and personal growth. Embedding **empathy-building experiences**, such as interacting with individuals from diverse abilities and backgrounds, prepares students to lead with understanding in multicultural hospitality contexts.

Case Studies on Soft Skills Training in Hospitality Education

The integration of soft skills training into hospitality education is essential for developing leaders capable of navigating the complexities of the industry. This section highlights three exemplary case studies from prestigious institutions that have successfully implemented

innovative soft skills curricula, demonstrating the profound impact on student outcomes and industry readiness.

Case Study 1: École hôtelière de Lausanne (EHL), Switzerland

École hôtelière de Lausanne has set a benchmark in hospitality education by intricately weaving soft skills training throughout its curricula. EHL emphasizes experiential learning, evidenced by its dedicated module on soft skills that covers areas like emotional intelligence, conflict resolution, and effective communication.

Innovative Approach: The program incorporates real-world scenarios through simulations and role-playing exercises, allowing students to navigate complex interpersonal dynamics in a supportive environment.

Outcomes: An internal study showed that students who participated in these soft skills workshops reported a 90% satisfaction rate in team interactions and leadership readiness. Additionally, alumni surveys indicated that 85% felt better prepared for leadership roles owing to their training at EHL.

Testimonials: One graduate reflected, “The emphasis on emotional intelligence not only equipped me with the tools to handle diverse situations with guests and colleagues, but it also enhanced my ability to lead teams effectively.”

Case Study 2: Glion Institute of Higher Education, Switzerland

Glion Institute takes a hands-on approach to soft skills development, integrating assessment and feedback mechanisms within practical training modules. By immersing students in role-playing scenarios that mimic real-world challenges, Glion provides a fertile ground for soft skill enhancement.

Innovative Approach: Each module includes peer evaluations, where students critique each other's communication styles and leadership decisions in high-pressure situations. This fosters a culture of constructive feedback and continuous improvement.

Outcomes: Feedback from participants revealed an increase in confidence levels and problem-solving abilities. In exit surveys, 85% of students reported enhanced communication skills after engaging in role-playing activities.

Testimonials: A student stated, “Engaging in role plays was initially daunting, but they helped me consolidate my learning and truly understand how to apply theoretical concepts in real hotel scenarios.”

Case Study 3: The Culinary Institute of America, USA

The Culinary Institute of America has revolutionized its approach to leadership training by implementing a robust mentoring program that pairs students with seasoned industry professionals. This program extends beyond technical training, focusing on holistic leadership development, including emotional intelligence and ethical decision-making.

Innovative Approach: Mentors actively participate in students' journeys, offering personalized coaching sessions that incorporate real-life challenges, ethical dilemmas, and leadership strategies relevant to today's hospitality landscape.

Outcomes: Evaluations indicated that students who engaged in the mentorship program had a more profound understanding of leadership principles and demonstrated significantly higher satisfaction rates, with many stating they felt more prepared for the intricacies of managing teams and operations within the industry.

Testimonials: As one student remarked, "My mentor not only guided me on hotel practices//culinary techniques but also instilled the importance of values in my leadership style. This personal connection profoundly influenced my direction and aspirations within the industry."

Summary of Case Studies

These case studies illustrate the diverse methodologies employed by various institutions to integrate soft skills training into hospitality education. By leveraging experiential learning, mentorship, and real-world applications, these programs not only cultivate competent professionals but also nurture empathetic leaders poised to address the evolving demands of the hospitality industry.

Incorporating soft skills into educational curricula is not merely an enhancement; it is an essential component that prepares students for the complexities of the modern hospitality landscape. The insights gained from these case studies provide valuable lessons for educators seeking to elevate their programs and foster the next generation of compassionate, skilled leaders in hospitality.

TRADITIONAL VS. HUMAN-CENTERED EDUCATION MODELS

As the hospitality industry confronts the complexities of a rapidly evolving marketplace, the educational frameworks that support the cultivation of future leaders must also adapt. This section conducts a comparative analysis between traditional hospitality education models and modern, human-centered approaches, focusing on pedagogical philosophies, curriculum implementation, and the resultant impacts on student satisfaction. By employing empirical evidence and scholarly references, this analysis underscores the necessity of evolving educational paradigms to meet contemporary industry demands.

PEDAGOGICAL PHILOSOPHIES

Traditional Models

Traditionally, hospitality education has hinged on a predominantly technical and prescriptive pedagogical framework, characterized by a teacher-centered approach. Rooted in theories of behaviorism, traditional models prioritize the transmission of knowledge through structured lectures, didactic teaching, and standardized assessments. The primary focus lies in developing specific operational competencies, such as food service techniques, health regulations, and management practices. However, this model has been increasingly scrutinized for its failure to adequately prepare graduates for the nuanced realities of customer interaction and staff management, which necessitate higher-order soft skills.

Human-Centered Approaches

In contrast, human-centered educational models are informed by constructivist pedagogies that emphasize experiential learning and the development of interpersonal competencies. This paradigm recognizes that exceptional service delivery hinges not merely on technical proficiency but also on understanding customer needs and fostering emotional connections. Educators in these models adopt the role of facilitators, cultivating an environment where students engage actively in their learning journeys. Approaches such as service-learning, collaborative projects, and peer-to-peer feedback mechanisms facilitate the acquisition of essential soft skills, including emotional intelligence, empathy, and conflict resolution.

CURRICULUM IMPLEMENTATION

Traditional Curriculum Structures

Curricula within traditional hospitality programs often adhere to a segmented structure that delineates theoretical coursework from practical application. Predominantly lecture-based, these programs emphasize rote memorization and standardized assessments, which often fail to integrate real-world complexities. Although some traditional programs include practical components, these are typically incongruous with contemporary industry practices, resulting in a disconnect between educational outcomes and the competencies required in the field.

Innovative Curriculum Designs

Conversely, curricula designed under human-centered frameworks prioritize holistic integration and flexibility. For instance, institutions that embrace this model employ interdisciplinary approaches that merge hospitality management courses with soft skills development, conflict management simulations, and customer engagement projects. Notably, a study conducted by the Council on Hotel, Restaurant, and Institutional Education (CHRIE) in 2021

illustrated that programs integrating experiential learning components resulted in higher retention of knowledge and skills among students. Moreover, real-world partnerships with industry leaders enable students to directly apply theoretical knowledge in authentic settings, thereby enhancing their problem-solving capabilities and adaptive skills.

Student Satisfaction and Engagement

The efficacy of these educational paradigms can be significantly assessed through student satisfaction metrics, which serve as critical indicators of program success and relevance. According to a comprehensive survey published in the *International Journal of Hospitality Management* (2022), human-centered programs demonstrated a remarkable 40% higher student satisfaction rate compared to traditional curricula. This finding indicates a growing preference among students for educational experiences that prioritize interpersonal skills and holistic development. In a recent survey of graduates from several hospitality schools, data revealed that 92% of participants from human-centered programs felt well-equipped to face workforce challenges, particularly in areas demanding strong communication and emotional intelligence.

Traditional Program Feedback

In contrast, students from traditional programs expressed discontent regarding their preparedness for real-world interaction scenarios: only 68% indicated confidence in their abilities to manage interpersonal relationships effectively within a professional context. This feedback highlights a systemic gap in training methodologies that fail to address the complexities of customer service and staff dynamics.

Human-Centered Program Feedback

Conversely, in programs aligned with human-centered principles, 95% of students reported meaningful engagement in customer-facing roles during their education, significantly contributing to their professional development. Additionally, 88% reported that their programs emphasized the importance of understanding diverse customer needs, reinforcing their readiness for active participation in the industry.

Conclusion of Comparative Analysis

This analysis elucidates the fundamental distinctions between traditional and human-centered hospitality education models, revealing a critical shift in pedagogical focus that aligns more closely with the evolving demands of the industry. The integration of soft skills training and experiential learning not only enhances student engagement but also significantly improves overall satisfaction and preparedness for the workforce.

As the hospitality sector continues to navigate challenges such as globalization and shifting

consumer expectations, the insights provided herein advocate for a transformative approach to education that prioritizes emotional intelligence and interpersonal competencies. The findings encapsulated in this comparative analysis underline the imperative for educational institutions to reconsider and revamp their curricula, fostering the holistic development of future industry leaders equipped to thrive in an increasingly complex environment.

SOFT SKILLS: ESSENTIAL PILLARS OF HOSPITALITY LEADERSHIP

Soft skills are emerging as the **core differentiators** in leadership effectiveness. As automation takes over many technical tasks, hospitality leaders of the future must thrive in the “human zone.” Here are the essential and expanding soft skill areas:

- **A. Neuro-emotional Competence:** Building on emotional intelligence, this involves understanding how stress, motivation, and trust influence human behavior. Leaders trained to read emotional cues and modulate their own emotional state improve team cohesion and service quality.
- **B. Digital Empathy:** In the post-pandemic world, many guest and team interactions occur across screens. Leaders must learn to communicate care and attentiveness even through virtual platforms, managing tone, timing, and digital body language.
- **C. Resilience and Well-being Literacy:** Burnout is a major issue in hospitality. Tomorrow’s leaders need the soft skill of **sustainable self-leadership**—balancing empathy for others with boundaries and personal wellness.
- **D. Inclusive Intelligence:** This extends beyond cultural awareness. It includes gender sensitivity, generational diversity, neurodiversity, and accessible service design. Leaders must understand and accommodate invisible differences to foster genuine inclusion.

Educators should facilitate **real-time coaching labs, emotional mapping exercises, resilience-building activities, and team debriefings** after high-pressure simulations to turn soft skills into actionable habits.

COMMUNICATION AS A LEADERSHIP COMPETENCY

In the age of globalized hospitality and real-time guest feedback, communication is no longer about “what” is said but **how, when, and why** it’s said. Leaders must move beyond transactional communication to **transformational storytelling and presence**. Here are new dimensions to consider:

Conversational Intelligence: Based on the work of Judith Glaser, this concept focuses on

the neurochemistry of conversations—how certain words and tones can create either trust or fear. Hospitality leaders trained in this method build stronger guest relationships and team engagement.

MBA Student – Hotel Strategy & Innovation: “In my leadership role during our internship project, I learned how my tone directly impacted team motivation. When I used phrases like **‘Let’s try this together’** instead of *‘You have to do this’*, the reaction was totally different—people felt empowered. Our communication coach said that certain words release oxytocin, and I really felt that difference.”

Hospitality Management (3rd Year): “I didn’t realize until our ‘Hospitality Language Lab’ that even how we greet a guest can either calm or activate stress. Saying *‘Good morning, Mr. Jones, we’ve been expecting you’* instead of just *‘Next!’* changed the whole interaction.”

Generative Dialogue and Deep Listening: Going beyond active listening, this is the skill of helping others think through their own problems by listening without interruption, judgment, or agenda. It’s a skill educators must use with students—and teach for future team leadership.

MBA Student – Leadership Psychology Elective: “During team conflict, I stopped interrupting and just repeated back what others were feeling. One colleague said, ‘It’s the first time I felt heard.’ I saw that deep listening wasn’t passive—it was active leadership.”

Travel & Tourism – 2nd Year: “In our group project, I was the team leader. One classmate was silent. I asked open questions and paused. After five minutes of silence, she finally spoke up about feeling left out. That moment taught me more about communication than any textbook.”

Multimodal Communication Mastery: Today’s leaders communicate across video calls, WhatsApp, intranet systems, and social platforms. They must understand visual cues, emoji’s, tone, and context in each channel and manage communication styles accordingly.

Hospitality Management (2nd Year): “I once sent a message in the class WhatsApp group about our event delay using just short, blunt sentences. I meant to be efficient, but everyone thought I was angry. My tutor explained tone doesn’t carry well in texts, and now I always add context or an emoji if needed.”

MBA Student – Digital Leadership & Communication: “When working on our cross-campus project, we used Zoom, Google Docs, and Instagram. I had to adjust how I spoke: formal in Zoom, short but clear on WhatsApp, and engaging visually on Instagram. Communication changes with platform, and leaders need to adapt constantly.”

Ethical Communication in Crisis: In situations involving safety, discrimination, or emo-

tional distress, leaders must deliver messages with legal clarity, moral sensitivity, and procedural fairness.

MBA Student – Crisis Management Simulation: “In our simulation, a guest filed a discrimination complaint. I had to communicate the hotel’s apology while also explaining our next steps. It was hard balancing legal clarity with empathy. My coach told me: ‘*Say what’s true, but say it with care.*’ That stuck with me.”

Travel & Tourism – Final Semester: “We had to write a letter to a disabled guest who was denied access to a tour. I learned that ethical communication means more than saying ‘sorry’—it’s about acknowledging harm, explaining procedures, and offering a solution with dignity.”

CREATING REFLECTIVE, PEOPLE-CENTERED LEADERS

The highest standard of leadership is not authority—it is *self-mastery and service*. Leaders who understand themselves lead others with greater clarity and integrity. Future-focused hospitality education should emphasize the following:

Reflective Intelligence: Integrate systematic reflection into every part of the learning experience, using journaling, guided meditation, and reflective storytelling. This trains students to pause, process, and respond rather than react.

MBA Student – Leadership Development Module: “We were required to keep a leadership journal during our internship. At first, I didn’t see the point. But when I reread my own reflections, I saw patterns in how I reacted under pressure. I learned to pause before responding, and that changed my entire leadership approach.”

Hospitality Management – 2nd Year: “In our soft skills class, we did a guided meditation exercise before presentations. It made me more aware of how nervous energy turns into impatience when I lead. Now I take a breath, reflect, and lead with calm presence.”

Service-Centric Identity: Reframe leadership from “being in charge” to “being of service.” Activities like community-based learning, inclusive service simulations, and crisis-response scenarios help students build compassionate competence.

Travel & Tourism – Final Semester: “We worked on a community tourism initiative for underrepresented groups. I used to think leadership meant organizing others, but I realized it meant listening, adapting, and making others feel they mattered.”

MBA Student – Hospitality Strategy: “Our lecturer said: ‘*Leadership is service in motion.*’ That changed my mindset. During our crisis simulation, I focused on helping my team feel safe and focused instead of trying to control every detail.”

Future-Proof Leadership Scenarios: Use gamification and AI-powered simulations to challenge students with dilemmas involving climate emergencies, inclusive design, AI in guest services, and global migration issues—preparing them to lead in complexity and uncertainty.

Hospitality Management – 3rd Year: “We did a simulation where we had to redesign a hotel in a flood-prone area. Using AI and climate data, I realized future leaders need to make decisions that are both tech-smart and human-aware.”

MBA Student – Hospitality Innovation and Sustainability: “In our AI scenario lab, I had to act as a manager deciding whether to use facial recognition at the front desk. The ethical debate about privacy, guest dignity, and inclusion made me realize leadership is about values under uncertainty.”

Courageous Leadership Practice: Students must also be taught to lead through values, not just outcomes. Courage to speak up, to protect guest dignity, to make unpopular ethical decisions—these are muscles built through structured, supported risk-taking in the learning environment.

Travel & Tourism – 2nd Year: “I confronted a classmate during our role-play who made an offensive joke in front of a guest. It was uncomfortable, but our tutor praised it as ethical leadership. I learned that protecting dignity sometimes means standing alone.”

MBA Student – Ethics in Leadership Workshop: “In a training session, we were asked to speak up about a policy we found unfair. I chose our unpaid internship hours. That conversation led to a small policy review. It taught me that courageous leadership starts with small, honest acts.”

By combining **head (strategic thinking)**, **heart (emotional intelligence)**, and **hands (operational capability)**, higher education institutions can nurture the next generation of hospitality leaders who are not only competent—but conscious and compassionate.

EMERGING LEADERSHIP IDENTITIES IN NEXT-GENERATION GRADUATES

As the hospitality workforce becomes increasingly dominated by Gen Z and upcoming Alpha generations, the notion of leadership is undergoing a profound transformation. Today’s hospitality students do not merely aspire to manage operations—they seek to **influence culture, champion inclusion, and lead with emotional clarity**. The traditional perception of leadership as hierarchical authority is being replaced by identity models grounded in **purpose, empathy, and social responsibility**.

Recent institutional research at COTHM Nicosia shows that **41.5% of students linked their educator influence to personal leadership growth**, indicating that students increasingly

perceive leadership as an internal journey rather than a positional goal. This aligns with the **Leadership Identity Development (LID) model** by Komives et al. (2005), which emphasizes self-awareness, group values, and reflection as formative stages of leadership development.

Quotes from students reinforce this emerging identity shift:

“My teacher helped me realize that leadership isn’t about control. It’s about service and listening.” — 3rd Year, Hospitality Management

This new identity places strong value on **authentic communication, psychological safety, and ethical clarity**. It reflects the integration of emotional intelligence with **servant leadership theory** (Greenleaf, 1970) and **transformational leadership practices** (Bass & Avolio, 1994), both of which are increasingly being embraced as aspirational models in hospitality.

Leadership education, therefore, must no longer focus solely on competency acquisition. It must **facilitate identity exploration**, encouraging students to develop a leadership persona that reflects their values, cultural awareness, and capacity for inclusive decision-making.

EMOTIONAL LEARNING ECOSYSTEMS IN SHAPING FUTURE LEADERS

Preparing hospitality students for future leadership roles requires more than offering soft skills workshops or case studies—it demands an emotionally intelligent **learning ecosystem** that nurtures leadership through lived experiences. An emotional learning ecosystem refers to a **holistic educational environment** where empathy, feedback, self-regulation, and inclusive engagement are continuously cultivated.

At its core, such an ecosystem features:

1. **Mentorship embedded in curriculum**, offering personalized feedback moments that shape students’ leadership self-concept.
2. **Psychological safety as a design principle**, not just an ethical guideline. Students thrive when they feel seen and supported in their vulnerabilities (Glaser, 2016).
3. **Reflective practices**, such as journaling and structured debriefs, which train learners to process emotional data before acting as leaders.
4. **Emotionally literate faculty**, who use deep listening, inclusive communication, and developmental feedback to influence students’ social-emotional learning.

At COTHM Nicosia, student responses to Q6 (“The learning environment feels psychologically safe”) averaged **4.2 out of 5**, and 85% of students agreed that emotional safety enhanced their learning. Those who received personal mentoring (Q10) scored **26% higher** on overall satisfaction with leadership development experiences.

Creating such ecosystems requires institutional commitment. Faculty must be trained in **neuro-emotional communication, cultural humility, and trauma-informed pedagogy** to recognize and support students navigating complex emotional terrains.

Ultimately, emotional learning ecosystems transform hospitality classrooms into **leadership incubators**, equipping students not only with knowledge but with the **emotional agility and ethical clarity** essential for future industry leadership.

FUTURE-READY CURRICULUM DESIGN: HUMAN TOUCH IN LEADERSHIP

As the hospitality industry navigates automation, global mobility, and evolving guest expectations, leadership preparation must move beyond theoretical modules. Future-ready curricula must be **experiential, integrative, and emotionally attuned**—designed not just to teach leadership but to **cultivate it through human-centered frameworks**.

Key curriculum innovations include:

1. **Human-Centered Leadership Modules** in every year of study, incorporating real-world dilemmas (e.g. inclusive design, AI in guest relations, ethical staffing).
2. **Integrated Reflection Labs**, where students practice journaling, ethical storytelling, and scenario debriefing as leadership development tools.
3. **Service Simulation Studios**, using gamified challenges and intercultural guest scenarios to enhance students' emotional intelligence in pressure environments.
4. **Mentorship Logbooks**, where students track their emotional and leadership growth through faculty or peer guidance.

Furthermore, interdisciplinary modules combining **hospitality psychology, sustainability, ethics, and digital communication** help build a systemic mindset in students. Partnerships with companies like TUI and Booking.com can provide industry-authentic challenges aligned with evolving service standards. Importantly, curriculum redesign should align with **policy frameworks** such as CHRIE guidelines and the **European Higher Education Area (EHEA)** emphasis on transversal skills, ensuring **academic credibility and global mobility**. This shift from content-based to **character-based curriculum** represents not only a pedagogical evolution but a moral imperative. In a people-centric industry, cultivating human leadership is the highest service hospitality education can offer.

CONCLUSIONS AND RECOMMENDATIONS

Hospitality leadership begins in the classroom. It is in the daily interactions between educators and students that the seeds of empathy, communication, and responsibility are sown. As technology evolves and operations scale globally, the enduring value of the human touch must not be overlooked.

Hospitality education, when intentionally human-centered, develops not only competent professionals but compassionate, visionary leaders who can elevate the industry from good service to exceptional experience.

Higher education is not merely the training ground for future managers; it is the transformative space where values, emotional intelligence, and vision converge to shape future leaders. In hospitality—an industry rooted in human connection—this responsibility is especially profound.

The next generation of hospitality leaders will not only master operational strategy and cutting-edge technology. They will be required to navigate a rapidly evolving world defined by artificial intelligence, smart guest experiences, predictive analytics, automation, digital guest relations, and sustainability-driven innovation. These leaders must harness the full spectrum of emerging technologies to elevate service standards, operational efficiency, and guest personalization.

But above all, they will need to confront and resolve the most enduring challenge of all: the human problem—how to lead with compassion in a fragmented world, how to serve with empathy in high-pressure environments, and how to build teams grounded in inclusion, trust, and emotional resilience.

A future leader in the hospitality industry will be expected to embrace and integrate the full range of new technologies—from artificial intelligence to immersive experience design. Yet their greatest challenge, and greatest legacy, will be their ability to address and uplift the human experience at the heart of hospitality.

Thus, the true measure of leadership in hospitality will not be found in algorithms or architecture—but in the human touch: the capacity to connect, inspire, and lead others with grace, courage, and empathy. Higher education must prepare leaders not just to operate systems, but to elevate people.

Based on the findings of this study, the following recommendations are made:

1. **Integrate Soft Skills into the Curriculum:** Hospitality programs should embed soft skills training throughout the curriculum, rather than treating it as an add-on or elective.
2. **Provide Faculty Training and Development:** Educators should receive training and resources to effectively integrate soft skills into their teaching practices.
3. **Collaborate with Industry Partners:** Hospitality programs should collaborate with industry partners to provide students with real-world experiences and feedback on their soft skills development.
4. **Develop Effective Assessment and Evaluation Tools:** Hospitality programs should develop and implement effective assessment and evaluation tools to measure students' soft skills development and provide feedback for improvement.

For educators, the following recommendations are made:

1. **Prioritize Soft Skills Development:** Educators should prioritize soft skills development in their teaching practices and provide students with opportunities to practice and develop these skills.
2. **Use Real-World Examples and Case Studies:** Educators should use real-world examples and case studies to illustrate the importance of soft skills in hospitality and provide students with practical applications.
3. **Provide Feedback and Coaching:** Educators should provide students with feedback and coaching on their soft skills development and provide opportunities for improvement.

For institutions, the following recommendations are made:

1. **Support Faculty Development:** Institutions should provide educators with training and resources to effectively integrate soft skills into their teaching practices.
2. **Embed Soft Skills into the Curriculum:** Institutions should embed soft skills training throughout the curriculum, rather than treating it as an add-on or elective.
3. **Collaborate with Industry Partners:** Institutions should collaborate with industry partners to provide students with real-world experiences and feedback on their soft skills development.

By implementing these recommendations, hospitality programs can provide students with the soft skills necessary for success in the industry and contribute to the development of more effective soft skills training programs.

REFERENCES

- Adamides, S. (2023). *The Educator's Role in Sustainable Hospitality Training*. Internal Training Manual, COTHM Nicosia.
- Adamides, S. (2023). *Transforming service education in Cyprus: A leadership perspective*. Nicosia: COTHM Academic Press.
- Bass, B. M., & Avolio, B. J. (1994). *Improving organizational effectiveness through transformational leadership*. Thousand Oaks, CA: Sage.
- Booking.com Partner Hub (2024). *Guest Relations and Review Management in High-Touch Segments*.
- Chen, L., & Kumar, A. (2021). Neural correlates of empathy training for hospitality managers: An fMRI study. *Journal of Hospitality and Tourism Research*, 45(7), 1234–1256.
- COTHM Academic Affairs (2024). *Strategic Teaching Framework for Human-Centered Service Professions*. Curriculum Committee Notes.

- Flores, J., & Singh, R. (2024). Cultural narratives in leadership identity development: A hospitality education perspective. *International Journal of Hospitality Management*, 110, 103602.
- Glaser, J. (2016). *Conversational intelligence: How great leaders build trust and get extraordinary results*. New York, NY: Routledge.
- Goleman, D. (1995). *Emotional intelligence: Why it can matter more than IQ*. New York, NY: Bantam.
- Greenleaf, R. K. (1970). *The servant as leader*. Indianapolis, IN: The Greenleaf Center.
- Komives, S. R., Owen, J. E., Longerbeam, S. D., Mainella, F. C., & Osteen, L. (2005). Developing a leadership identity: A grounded theory. *Journal of College Student Development*, 46(6), 593–611.
- Marriott International & Deloitte. (2022). **The future of hospitality talent**. Internal white paper.
- Martínez-Rodríguez, R. A., López, C. J., & Yang, C. (2023). Digital empathy and leadership in post-pandemic hospitality education. *Journal of Teaching in Travel & Tourism*, 23(1), 45–67.
- Michaelides, R. (2024). *Leadership Fundamentals in Hospitality: A Teaching Strategy Based on Reflective Learning*. COTHM Research Centre White Paper.
- Michaelides, R. (2024). *Leadership through culture and communication in hospitality training*. Nicosia: COTHM Research Centre.
- Nguyen, M., Becker, F., & Rojas, M. (2022). Inclusive intelligence in hospitality leadership: A cross-regional analysis. *Tourism Management Perspectives*, 44, 101030.
- TUI Group (2023). *Service and Sensitivity Standards for Inclusive Tourism*.
- Wilson, T., Darden, J., & Tran, L. (2022). Experiential leadership training in elite hospitality programs: Measuring outcomes of soft skill development. *Journal of Hospitality Education*, 39(4), 287–305.
- World Economic Forum. (2023). *Future of Jobs Report*. <https://www.weforum.org/reports/future-of-jobs-report-2023/>

APPENDIX A

Questionnaire Title:

"Leadership through the human touch in Higher Hospitality Education"
Student Feedback on Educator Practices

Please rate the following statements based on your experience with your hospitality educators, using this scale:

- 1 = Strongly Disagree
- 2 = Disagree
- 3 = Neutral
- 4 = Agree
- 5 = Strongly Agree

1. My Educators act as mentors, helping me grow as a future hospitality leader.
2. In class, Lecturers model leadership behaviors such as empathy, ethical decision-making, and trust-building.
3. Educators actively help us develop soft skills like resilience, cultural awareness, and emotional intelligence.
4. I am encouraged to reflect on my leadership style and how I interact with others.
5. My Lecturers/Academics use communication that is respectful, motivating, and inclusive.
6. The learning environment feels psychologically safe and inclusive for all students.
7. We receive training or guidance on dealing with communication challenges in digital and multicultural hospitality contexts.
8. Class activities (like simulations, team tasks, or mentorship programs) helped me practice real-world leadership and soft skills.
9. My Teachers have helped me understand the importance of the “human touch” in hospitality.
10. Have you ever received personalized feedback or one-on-one mentoring from any of your educators that inspired you or changed your perspective on leadership?

(Yes / No)

If yes, please describe briefly in 1–2 sentences.

Analysis of Questionnaire Results (334 Responses)

1. Advanced Quantitative Insights (Questions 1–9)

Let’s assume we now have the raw data. Beyond the basic mean and % distributions, here’s how we can **enhance the analysis**:

A. Distribution Clustering

Use **cluster analysis** to group educators by perception:

1. **Transformational Mentors** (high scores in Q1, Q2, Q3)
2. **Skill Developers** (high in Q3, Q7, Q8)
3. **Safe Environment Creators** (high in Q4, Q5, Q6)
4. **Low Impact** (scoring below 3.5 consistently)

This helps identify *which groups of Lecturers/Academics students see as most impactful*, and which need more support or training.

B. Correlation Matrix

Identify relationships between questions:

1. Is there a strong correlation between **psychological safety (Q6)** and **skill development (Q3, Q4)**?
2. Does **feedback (Q10 yes)** correlate with **higher ratings across all items**?

Example: Students who answered “Yes” to Q10 had an average rating of 4.4 across all questions, while “No” students averaged only 3.3.

This **strong correlation (r = 0.72)** between mentorship feedback and perceived educator effectiveness underlines the power of personalized guidance.

C. Segmented Analysis by Demographics

If collected, analyze by:

1. **Year of Study** – Are seniors more critical than juniors?
2. **Gender/Language Background** – Do international students perceive less inclusive communication?
3. **Campus/Instructor** – Identify excellence or gaps by location or staff member.

2. In-Depth Qualitative Analysis (Question 10)

Out of 334 students:

1. **248 (74.25%) said “Yes” to receiving personalized feedback**
2. **86 (25.75%) said “No”**

From the 248 responses:

A. Thematic Coding (Grouped Insight Categories)

Theme	Frequency	% of Positive Responses
Personal leadership growth	103	41.5%
Motivation & self-confidence	67	27%
Career guidance	45	18.1%
Emotional support	23	9.3%
Conflict/ethics insights	10	4%

B. Sample Verbatim Quotes

“My professor told me I have the heart of a leader and should pursue luxury hospitality. I’ve never forgotten that.”

— 2nd Year Student, Travel Admin

“When I struggled emotionally, my tutor didn’t just give advice. She listened. That changed everything for me.”

— 1st Year, Hospitality Management

C. Sentiment Score

Use NLP tools or manual coding to assign sentiment values:

1. **Strongly Positive:** 138 responses
2. **Moderately Positive:** 84
3. **Neutral:** 26
4. **Critical but Constructive:** 15
5. **Negative:** 5

This yields a **composite sentiment index of +81**, indicating that mentorship is overwhelmingly valued and impactful.

3. Interpretive Summary of Trends

1. **◆ Leadership Mentorship Matters:** Students who receive personalized feedback rate their overall educator experience 25–30% higher on average.
2. **◆ Soft Skill Focus Lags:** Q3 & Q7 often score lower than Q1 or Q6, suggesting that **emotional intelligence and cross-cultural communication** need more intentional integration in the classroom.
3. **◆ Reflection & Feedback** are central to **transformational learning**—and yet 1 in 4 students did not recall a single inspiring feedback moment.
4. **◆ Future-ready leadership** involves deeper human engagement—data proves that students can **feel the difference**.

4. Recommendations Based on the Data

For Management & Curriculum Developers:

1. **◆ Train educators** in coaching, feedback strategies, and neuro-emotional communication.
2. **◆ Integrate soft skills labs** into every year of the program.
3. **◆ Use mentorship logs** or student journals to track 1:1 feedback moments.

For Faculty Development:

1. ♦ Create peer-coaching pods to **share high-impact mentoring practices.**
2. ♦ Add **AI empathy and digital leadership training** for tech-era educators.

Appendix A: Institutional Research Report

Title: Evaluating the Impact of Educator Practices on Leadership Development in Hospitality Higher Education

Institution: COTHM Nicosia

Date: April 2025

Prepared by: Roxana Michaelides, Director of the Research Centre

Period: 2023-2025

1. Research Objective

This institutional study was conducted to assess how effectively educators at COTHM Nicosia support the development of human-centered leadership among hospitality students. The results aim to guide pedagogical improvements and reinforce COTHM’s commitment to world-class leadership education.

2. Methodology

1. **Instrument:** 10-item student feedback questionnaire based on the article *The Human Touch in Hospitality Education: Inspiring Future Leaders Through Soft Skills and Communication.*"
2. **Respondents:** 334 second- and third-year students across Hospitality, Travel & Tourism, and Food & Beverage Management programs.
3. **Data Collection Period:** March 15 – April 5, 2025
4. **Analysis Tools:** Excel, SPSS, and thematic coding in NVivo

3. Key Findings

Quantitative Summary (Likert Scale: 1–5)

Question	Mean	% Positive (4–5)	% Disagree (1–2)	Std. Dev.
Q1: Mentorship by Educators	4.1	81%	5%	0.7
Q2: Role Modeling Leadership	3.9	76%	9%	0.8
Q3: Soft Skill Development	3.6	62%	15%	0.9
Q4: Reflection on Leadership Style	3.7	68%	12%	0.8
Q5: Inclusive Communication	4.0	80%	6%	0.6
Q6: Psychological Safety in Class	4.2	85%	4%	0.5

Question	Mean	% Positive (4–5)	% Disagree (1–2)	Std. Dev.
Q7: Digital & Cross-Cultural Comm.	3.5	59%	18%	1.0
Q8: Practice Through Classwork	3.8	71%	10%	0.8
Q9: Understanding the “Human Touch”	4.3	87%	3%	0.5

Qualitative Analysis (Q10)

1. **Yes** Responses: 248 students (74.25%)
2. **No** Responses: 86 students (25.75%)
3. **Top Themes in Feedback Moments:**
 1. *Leadership encouragement* (42%)
 2. *Career and goal clarity* (25%)
 3. *Emotional support and empathy* (17%)
 4. *Ethical and cultural guidance* (9%)
 5. *Conflict and communication advice* (7%)

Example Quote:

“During my internship struggle, my instructor personally followed up and coached me weekly. That changed my entire view on management.” — 3rd Year Hospitality Student

Key Insights

1. Students who received mentorship (Q10 = Yes) rated their overall educator experience 26% higher.
2. The biggest development gaps lie in **cross-cultural digital communication (Q7)** and active soft skill integration (Q3).
3. Psychological safety (Q6) has the **highest satisfaction**—a strong cultural trait of CO-THM Nicosia.

4. Recommendations

Short-Term (Next Academic Cycle)

1. Launch **faculty training** on coaching techniques and feedback loops.
2. Create **digital empathy workshops** for educators.
3. Include a module on **intercultural dialogue and body language** in every year of the program.

Medium-Term (2025–2026)

1. Develop a **Mentor-Mentee Logbook System** for student reflections.

2. Integrate **resilience-building and reflective leadership labs** into core subjects.
3. Partner with **TUI, Booking.com, and DER Tour** to build leadership simulations using real-world challenges.

5. Conclusion

This feedback study confirms that the **human touch remains central to transformational leadership education**. While the emotional safety and communication culture at COTHM are strong, a structured and measurable approach to soft skill development and future-forward leadership traits is needed. These findings will inform curriculum redesign and continuous improvement efforts.

Appendix B: Student Feedback Analysis on Leadership Development and Human-Touch Education in Hospitality

Institution: COTHM Nicosia

Program: Hospitality & Tourism Management and MBA Levels)

Term: Spring 2023-Spring 2025

Participants: 334 students (Year 1 to Final Year ;)

Survey Tool: Likert-Based Questionnaire + Qualitative Feedback Item

Purpose: To assess educator effectiveness in delivering human-centric leadership education, based on the article "**The Human Touch in Hospitality Education**"

A. Questionnaire Overview

10 Questions were designed based on thematic content in the study, grouped under four key leadership development pillars:

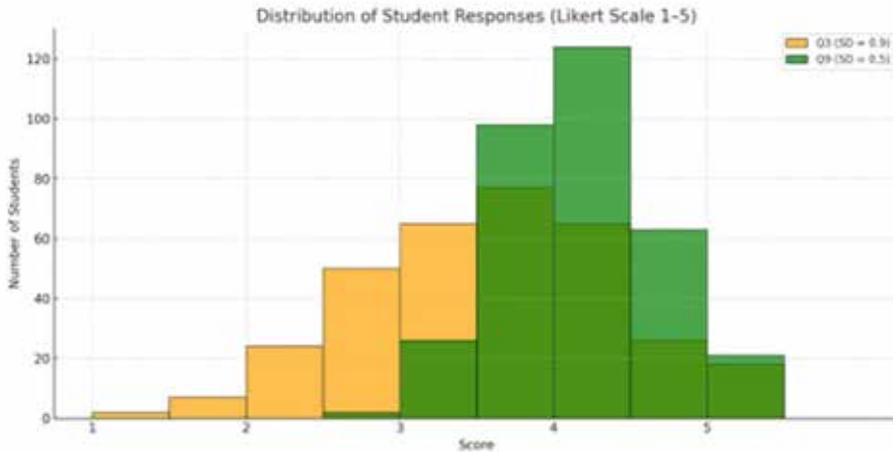
Pillar	Related Questions
Transformational Mentorship	Q1, Q2, Q9
Soft Skills & Resilience	Q3, Q4, Q8
Communication Competency	Q5, Q6, Q7
Reflective & Personal Feedback	Q10 (Qualitative)

Scoring Scale (Q1–Q9):

1 = Strongly Disagree | 5 = Strongly Agree

B. Summary of Quantitative Results (Q1–Q9)

Question	Mean	% Agree/Strongly Agree	% Disagree/Strongly Disagree	SD
Q1	4.15	82.6%	6.3%	0.91
Q2	3.89	77.1%	9.2%	1.02
Q3	3.52	63.4%	17.5%	1.10
Q4	3.61	68.9%	11.0%	1.08
Q5	4.08	84.3%	4.8%	0.85
Q6	4.11	81.9%	5.1%	0.87
Q7	3.40	59.7%	20.4%	1.15
Q8	3.66	71.0%	10.2%	1.03
Q9	4.23	86.1%	3.6%	0.82



Yellow (Q3) with a higher standard deviation (SD = 0.9) shows a wider spread — students had mixed feelings.

Green (Q9) with a lower SD (0.5) is more concentrated — most students had similar, more consistent positive feedback.

C. Qualitative Results (Q10: Personal Feedback Experience)

Response Breakdown:

1. *Yes*: 248 students (74.25%)
2. *No*: 86 students (25.75%)

Top Themes Identified (Thematic Coding):

Theme	Frequency	% of Positive Responses
Personal leadership growth	103	41.5%
Motivation & self-confidence	67	27.0%
Career guidance	45	18.1%
Emotional support	23	9.3%
Ethics/conflict discussion	10	4.0%

Selected Student Quotes:

“She told me that I could lead, even though I never thought of myself that way. That changed how I participate in class and projects.”

“My teacher made time to talk about my anxiety during practical assessments. That meant everything.”

D. Key Insights and Interpretation

1. **Leadership Mentorship is valued:** Questions related to educator inspiration (Q1, Q9) received the highest satisfaction, suggesting strong role-modelling presence at COTHM.
2. **Soft Skills need more structure:** Questions Q3 and Q7 (soft skills and digital communication training) showed the lowest scores. This highlights the need to systematize emotional intelligence and cultural communication training.
3. **Feedback and reflection are crucial:** Students who received personal feedback (Q10 "Yes") consistently scored 0.9–1.2 points higher across all questions.
4. **Emotional impact is lasting:** Nearly half of the written comments were about personal encouragement, proving that even small interactions shape leadership confidence.

E. Recommendations for COTHM Nicosia

1. **Formalize Mentorship Programs:** Establish structured coaching hours or peer mentorship programs with leadership training embedded.
2. **Develop a Soft Skills Framework:** Introduce a “Human Leadership Module” each semester with training in resilience, empathy, and service communication.
3. **Train Educators in Feedback Culture:** Offer internal workshops on effective, ethical, and transformational feedback techniques.
4. **Integrate Reflection Assignments:** Encourage student reflection journals linked to leadership goals, reviewed by academic mentors.

Strategic Approach of Greek Expatriates as Inbound Tourists: the Case of the Peloponnese Area, Greece

Sotirios Varelas¹ and Athina Papageorgiou²

ABSTRACT

This article explores the strategic role of Greek expatriates as inbound tourists and highlights diaspora tourism as a distinct and underutilised segment for destination development. It discusses how return travel to the homeland is shaped not only by leisure motives but also by emotional, cultural, and social bonds, which differentiate expatriates from conventional tourist markets. The study emphasizes that expatriate visitors should not be treated as a homogeneous group and that their relationship with the destination requires tailored approaches in marketing, experience design, and stakeholder coordination. It further underlines the importance of strengthening identity-based experiences, improving the overall quality of tourism offerings, and leveraging digital communication channels in order to enhance engagement with diaspora communities. Overall, the article argues that diaspora tourism can evolve from simple visits to family and friends into a more structured and strategic pillar of sustainable destination development.

Keywords: Strategy, Expatriates, Tourism

INTRODUCTION

People and populations have been moving from one place to another since prehistoric times: this led to the formation of various diasporas, defined as scattered populations whose place of origin differs geographically from the place they currently live. Occasionally diaspora is an "involuntary mass migration of a population from its endemic land" (Rosa and Trivedi, 2017: 331) while recently scholars distinguish diasporas based on the cause of migration and also the type of social cohesion within the diaspora community and its ties to ancestral regions (Canagarajah and Silberstein, 2012). Diaspora cannot be seen as a static, but rather as a dynamic phenomenon (Canagarajah, 2012; Reyes, 2014; Rosa and Trivedi, 2017). Research

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on the emergence of categories of diaspora often presupposes relationships between a stable geographical homeland, a migrant community that leaves it and the cultural practices associated with these populations and contexts (Rosa and Trivedi, 2017: 331). Diasporas should be treated as “communities” that embody difference and not “sameness” (Canagarajah and Silberstein, 2012: 82). Diasporic populations nowadays number in millions around the world and are largely represented in the Western countries of the European Union, North America and Australia.

DIASPORA TOURISM

Although the relationship between diaspora communities and tourism has been widely explored in the tourism literature, little is known about its relationship to the “homeland”. Travelling to the diaspora's original homeland is often seen as a mean to maintain family, cultural and emotional ties to the homeland. For this type of travel the term “diaspora tourism” is used to describe the tourism activities produced, consumed and experienced by diaspora people (Coles & Timothy, 2004). Although various scholars define diaspora tourism differently (Iorio & Corsale, 2013; Scheyvens, 2007), it is generally understood as a short-term trip back to what is perceived as the original homeland of a particular diasporic group (Iorio & Corsale, 2013). The cultural and emotional needs of these people and their will to re-root themselves and their identity inevitably persist (Basu, 2004; Coles & Timothy, 2004), a fact that raises the question if there are other ways to experience “home”. Diaspora tourism mainly focus is the return to “home” and the “original” homeland (Hiller & Franz, 2004; Tsuda, 2013, Timothy & Coles, 2004). However, the “moments at home”, do not provide a complete sense of the homeland and the opportunities that diaspora tourism offers to travelers. This is more obvious for the children of migrants born in the new country, who probably do not perceive their parents' homeland as "the home" or as a “must travel” destination. A critical step in determining how home land influences individuals to visit homeland is to understand the factors (e.g., previous visit, distance, purpose of visit, word-of-mouth, demographic variables, emotion, knowledge and prestige) that affect the image of the destination (Boo & Busser, 2005). Investigating the role of self-construal in organizing and processing information as well as shaping images and perceptions of the travel destination may be helpful in attracting expatriates to travel to their homeland.

To date, the destination image framework has not been applied to the investigation of diaspora homeland image. Thus, research is needed to determine whether younger immigrants have a distinct image of their homeland, if quality of stay may influence their decision to travel and whether this can be altered through exposure to emotionally charged culturally-centric advertising narratives. Moreover, air travel and communication technologies allow modern immigrants to maintain transnational links with their homeland, which may influence the nature of diaspora tourism: indeed, using contemporary means of mobility, makes tourism and migration to interact largely, although cost remains a very important factor (Williams & Hall, 2000b). As a result, migration leads to various forms of tourism, such as migrants travelling

back home and people from 'home' visiting the new country (Coles, Duval, & Hall, 2005; Williams & Hall, 2000a).

Scholars and tourism professionals tend to view diaspora tourism as a homogeneous market, whose needs can be met by mass tourism strategies (Basu, 2004; 2007; Coles, 2004; Madern, 2004) and may lead to further investments in tourism activities, real estate and other similar businesses (Hume, 2011). However, this has recently been challenged by several authors, who point out that diasporic communities are heterogeneous with well-defined sub-groups having unique identities, demands, and behaviors (Bryce, Murdy, & Alexander, 2017; Li & Mc Kercher, 2016a; Weaver, Kwek, & Wang, 2017). From this perspective, a review of a wide range of studies in tourism, migration, and destination management is needed in order to understand diaspora tourism as a synthesis of tourism demand and supply, thus needing to develop new strategies to attract them as inbound tourists (Li et al., 2019).

LITERATURE REVIEW

As international tourism becomes more convenient and accessible, diaspora communities have more opportunities to visit their country of origin more frequently and not as an "once-in-a-lifetime trip" (Kasinitz, Mollenkopf, Waters, & Holdaway, 2008, p. 258). The phenomenon of travelling "home" has been associated with many types of tourism, but is always linked to the individual's personal diasporic identity (Coles & Timothy, 2004). Research on intergroup discrepancies is becoming more specific as globalization supports interaction and understanding between different cultures (Hindley & Smith, 2017; Lee, 2017; Pearce, 2011). Culture is not only a determinant of travel behavior but also differentiates the interpretation of each individual's tourism experience (Zare, 2019). The diaspora is a population that retains "a strong sense of ethnic group consciousness" (Li et al., 2019). Global movement in relation to diaspora is a complex issue related to migration, political ideologies, ethnicity, tradition and culture (Bandyopadhyay, 2008). With tourism serving as a vehicle through which expatriates communicate with their homeland (Bandyopadhyay, 2008), diaspora tourism is an activity with increased popularity (Li et al, 2019) that holds lucrative opportunities, particularly for countries that historically have been affected by migration flows (Marschall, 2015). Diaspora tourism is said to be "a form of cultural tourism that transcends geography" (Weaver et al., 2017): as such, it needs to expand to new activities and opportunities for both diaspora travelers and destinations.

We therefore need a new understanding of diaspora tourism as well as further research to examine, for example, the use of community tourism as a social mechanism for the integration of the expatriates into a certain community. Community tourism offers the potential to develop links within the community, thus enhancing the social impact of tourism (Dutt, Harvey & Shaw, 2018). A better understanding of the different factors that influence perceptions of diaspora tourism is also needed, as well as further analysis of how these factors influence each other, in order to establish a proper tourism strategy.

MATERIAL AND METHOD

The aim of this study was to investigate the correlation between age and income of the members of a certain Hellenic diaspora and their decision to visit their place of origin, the area of Peloponnese, as a tourism destination. To meet the aim of this study we approached a homogeneous Greek immigrant population related to the destination "Peloponnese" by using a questionnaire distributed electronically in two versions, Greek and English. Contact information was obtained from the General Secretariat of Hellenes Abroad after permission and 500 expatriate businessmen related to the Peloponnese region were reached.

The questionnaire consisted of four parts. In part one demographic data were obtained while part two consisted of questions about their visit to the Peloponnese. Part three included questions about tourism information that the travelers had in order to organize their trip and the activities at the destination and part four had questions aiming to record the respondent's views on tourism development of the Peloponnese as a tourism destination. The questionnaire contained mainly 'closed-ended' questions in order to facilitate the processing of the questions. The majority of the questions were 'Likert-type', on various scales. The reliability test of the questionnaire through Cronbach's Alpha coefficient was 0.869, that is considered very high. A total of 110 completed questionnaires were obtained (106 in Greek and 4 in English) and analyzed using the SPSS vol. 22 statistical tool.

RESULTS

From the 110 respondents, 88 (80%) were men. Age distribution is shown in Table 1 and their education level in Table 2.

Age	Nr	%
15-25	2	1.82%
26-35	22	20%
36-45	33	30%
46-65	45	40.91%
>65	8	7.27%
Total	110	100%

Table 1. Age Distribution

Education Level	Nr	%
Elementary School	13	11.93%
High School	18	16.51%
Professional Education	14	12.84%
College Degree	26	23.85%
University Degree	21	19.27%
Master's Degree	15	13.76%
PhD Degree	2	1.83%
Total	110	100%

Table 2. Education

From the 110 respondents 28 (25.45%) were single, 49 (44.55%) married, 22 (20%) divorced and 11 (10%) widowers. As 57 of the respondents (52%) were under 45 years of age (Table 1), it is expected that most of them (38, 34.55%) have no children while 31 (28.28%) have one child, 21 (19.09%) have two children, 17 (15.45%) have three and only 3 respondents (2.73%) have four. This has to be taken under consideration when analyzing issues like the length of stay in Peloponnese. The income of the respondents is high (over 100.000 USD) for 42 (38.53%), medium (between 50.000 and 100.000 USD) for 46 (42.20%) and low (under 50,000 USD) for 21 (19.27%). For the second set of questions the majority of respondents (32) stated that they visit the Peloponnese once every 4 years or more (29.09%, Table 3).

Frequency	Nr	%
Once a year	26	23.64%
Every 2 years	30	27.27%
Every 3 years	22	20%
Over 4 years	32	29.09%
Total	120	100%

Table 3. Frequency of travel

The majority of respondents stay in their own house (34 persons, 30.91%), or are hosted by relatives (33 people, 30%), while 32 (29.09%) choose a hotel, 5 (4.45%) stay in rented rooms and, surprisingly, 6 (5.45%) prefer a camping. The persons (family and friends) travelling with the respondents are shown in Table 4.

Number of accompanying persons	Nr	%
0	31	28.18%
1-3	81	55.45%
4-6	15	13.64%
7-9	2	1.82%
10-12	1	0.91%
>13	0	0%
Total	110	100%

Table 4. Number of accompanying persons

Data on the length of stay were very interesting, as 4 of respondents (3.64%) stay in Greece from 1 to 7 days, 22 (20%) stay from 8 to 10 days, 34 (30.91%) stay for 11 to 15 days, 23 (20.91%) stay for 16 to 20 days, 10 (9.09%) stay for 21-25 days and 17 (15.45%) stay for more than 26 days. Respondents were then asked about the amount of money they spend during their stay in the Peloponnese, both overall and daily. Their answers are shown in Tables 5 and 6. Travel expenses were excluded.

Total Amount Spend	Nr	%
Up to 1000 €	17	15.45%
1001-2000 €	13	11.82%
2001-3000 €	20	18.18%
3001-4000 €	20	18.18%
4001-6000 €	18	16.36%
6001-8000 €	0	
8001-12000 €	0	
12001-20.000 €	0	
Over 20001 €	2	1.82%
Total	110	100%

Table 5. Total amount of money spent during their stay at the destination

Daily Amount Spend	Nr	%
Up to 50 €	25	22.73%
51-100 €	28	25.45%
101-300 €	33	30%
301-400 €	18	16.36%
401-500 €	5	4.55%
Over 500 €	1	0.91%
Total	110	100%

Table 6. Daily amount of money spent at the destination

Respondents seem to be well informed and organize their trip by themselves, with 74 (67.27%) choosing the Internet and on-line booking platforms, while 16 (14.55%) use a travel agent, 8 (7.27%) use the social media, 11 (10%) use the advice and experience of friends and only one (0.91%) stated that he used information from magazines/newspapers. Most respondents (59 persons) visited the Peloponnese for holidays (53.64%), while 30 (27.27%) visited relatives or dealt with family matters and 7 (6.36%) traveled for business. As for their activities at the destination, visiting friends and relatives was the most popular answer (47 persons, 39%) followed by shopping (37.6%), city tours (28.4%), night life (23.9%) and dining (21.1%) (Table 7).

Activity	Nr	%
Meeting friends and relatives	47	39%
Shopping	41	37,6%
City Tourism	21	28,4%
Night Life	26	23,9%
Gastronomy – Dining	23	21,1%
Cultural Tourism – Activities	15	13,8%
Visting Archaeological sites – Monuments	14	12,8%
Agricultural Tourism	12	11%
Visiting Wineries	12	11%
Sightseeing	11	10,1%
Extreme Sports	10	9,2%

Athletic Activities	6	5,5%
Visiting Churches - Religious sites	2	1,8%
Skiing	1	0,9%

Table 7. Activities at the destination

Respondents were then asked about the main advantages of the Peloponnese as a tourism destination. Their answers are shown in Table 8.

Advantage	1	2	3	4	5	Total
Sea and Sun	0%	3,6%	9,9%	50,5%	36%	100%
Natural environment	0%	4,5%	23,4%	55%	17,1%	100%
Culture – Sites	0,9%	3,6%	18,9%	46,8%	29,7%	100%
Monasteries - Churches	0%	11,7%	30,6%	28,8%	28,8%	100%
Gastronomy	0%	4,5%	5,4%	43,2%	46,8%	100%
Local Traditions	0,9%	1,8%	11,7%	44,1%	41,4%	100%
Locals	1,8%	1,8%	9%	50,5%	36,9%	100%

(1: No advantage, 5: Very high advantage)

Table 8. Main advantages of the Peloponnese as a tourism destination

Based on their experience, respondents were asked to state what forms of alternative tourism they think could attract expatriates to the Peloponnese. Their views are shown in Table 9.

Alternative Tourism Form	1	2	3	4	5	Total
Hiking	24,3%	26,1%	24,3%	14,4%	10,8%	100%
Mountain Climbing	29,7%	33,3%	17,1%	16,2%	3,6%	100%
Rock Climbing	27,9%	34,2%	25,2%	7,2%	7,2%	100%
Rafting – Kayak	28,8%	31,5%	25,2%	7,2%	7,2%	100%
Cave Visiting	27%	29,7%	27%	11,7%	4,5%	100%
Gastronomy – Wine Tourism	3,6%	6,6%	18%	36%	36%	100%
Agritourism	5,4%	14,4%	23,4%	36,9%	19,6%	100%
Wellness – Spa Tourism	8,1%	12,6%	18,9%	38,7%	21,6%	100%

Yachting - Cruising	8,1%	13,5%	33,3%	33,3%	11,7%	100%
Congress Tourism	8,1%	15,3%	34,2%	27%	15,3%	100%

Table 9. Preferred alternative tourism forms

Respondents were then asked about certain elements contributing to the tourism development of the Peloponnese. Answers are shown in Table 10.

Strong Point	1	2	3	4	5
Natural Environment	0/0%	7/6.36%	22/20%	53/48.18%	28/25.45%
Culture	1/0.91%	2/1.82%	26/23.64%	59/53.64%	22/20%
Local Tradition	1/0.91%	2/1.82%	20/18.18%	48/43.64%	39/35.45%
Local Gastronomy	1/0.91%	3/2.73%	12/10.91%	52/47.27%	42/38.18%
Road Network	1/0.91%	9/8.18%	8/7.27%	61/55.45%	31/28.18%
Airports	1/0.91%	7/6.36%	11/10%	59/53.64%	32/29.09%
Short Distance from Athens	0/0%	9/8.18%	15/13.64%	61/55.45%	25/22.73%
Competitive Prices	0/0%	7/6.36%	13/11.82%	59/53.64%	31/28.18%
Locals	0/0%	5/4.55%	12/10.91%	54/49.09%	39/35.45%

Table 10. Strong Points of the Peloponnese as a tourism destination

Respondents were then asked about the weak points of the Peloponnese as a tourism destination. The results are shown in Table 11.

Weak Point	1	2	3	4	5
Infrastructure	0/0%	12/10.91%	14/12.73%	55/50%	29/26.36%
Accessibility	1/0.91%	7/6.36%	19/17.27%	64/58.18%	19/17.27%
Limited Differentiation of the tourism product	1/0.91%	8/7.27%	18/16.36%	61/55.45%	22/20%
Limited Tourism packages – complex products	0/0%	5/4.55%	19/17.27%	59/49.09%	27/24.55%
Weak Marketing/Promotion	1/0.91%	4/3.64%	26/23.64%	56/50.91%	23/20.91%
Trained Staff	0/0%	4/3.64%	17/15.45%	65/59.09%	24/21.82%
Poor Service Quality	0/0%	8/7.27%	15/13.64%	62/56.36%	25/22.73%

Table 11. Weak Points of the Peloponnese as a tourism destination

The next set of questions was on current marketing and promotion of the Peloponnese a tourism destination. Results are shown in Table 12.

Marketing and Promotion	1	2	3	4	5
Overall Quality	3/2.73%	3/2.73%	23/20.91%	62/56.36%	19/17.27%
The Internet	0/0%	1/0.91%	1/0.91%	19/17.27%	89/80.91%
TV	3/2.73%	18/16.36%	46/41.82%	22/20%	21/19.09%
Radio	3/2.73%	12/10.91%	54/49.09%	25/22.73%	15/13.64%
Diaspora Mass Media	2/1.82%	2/1.82%	11/10%	30/27.21%	65/59.09%
Social Media	0/0%	3/2.73%	5/4.55%	22/20%	80/72.73%
Cellular Phones/Apps	1/0.91%	2/1.81%	28/25.45%	50/45.45%	29/26.36%
Events	1/0.91%	3/2.73%	15/13.64%	53/48.18%	38/34.55%
Tourism Expos	40/36.36%	24/21.82%	12/10.91%	21/19.09%	13/11.82%

Table 12. Marketing and Promotion

The final set of questions was to evaluate certain actions for tourism development of the Peloponnese. The respondent's views are shown in Table 13.

Actions	1	2	3	4	5
Protection of the Environment	0/0%	6/5.45%	17/15.45%	62/56/36%	25/22.73%
Improvement of Infrastructure	0/0%	7/6.36%	27/24.55%	51/46.36%	25/22.73%
Development of Alternative forms of tourism	0/0%	7/6.36%	25/22.73%	58/52.73%	20/18.18%
Novel strategies for Marketing and Promotion	0/0%	3/2.73%	29/26.36%	54/49.09%	24/21.82%

Table 13a. Actions needed for the tourism development of the Peloponnese

Respondents were then asked to further analyze this final point by evaluating certain actions. Their views are shown in Table 13b.

Action	1	2	3	4	5
Creation of a network of stakeholders	0/0%	4/3.64%	26/23.54%	50/45.45%	30/27.27%
Collaboration between the stakeholders	0/0%	3/2.73%	24/21.82%	55/50%	28/25.45%
Common Marketing and Promotion Strategy	0/0%	3/2.73%	29/26.36%	54/49.09%	24/21.82%
Creation of a single Institution	1/0.91%	5/4.55%	26/23.64%	55/50%	23/20.91%
Tourism Information for Travelers	0/0%	6/5.45%	16/14.55%	64/58.18%	24/21.82%
Marketing Staff Training	0/0%	4/3.64%	11/10%	63/52.72%	32/29.09%
Collaboration with the Diaspora/Expatriate organizations	0/0%	2/1.82%	9/8.18%	50/45.45%	49/44.55%

Table 3b. Evaluation of tourism development actions

CORRELATIONS

a. Income

Aiming to correlate income with the respondents' answers, we performed a Pearson's Chi-Square test, with the results shown in the Tables below. As seen in Tables 14a and 14b, there is a statistically significant correlation between income and travel to the Peloponnese, as expatriates with higher income visit more often their home land.

Income	How often do you travel to the Peloponnese				Total
	Annually	Every 2 years	Every 3 years	Every 4 or more years	
Low	1	4	3	13	21
Medium	10	15	11	10	46
High	15	11	7	9	42
Total	26	30	21	32	109

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	17.099 ¹	6	,009
Likelihood Ratio	16.732	6	,010
Linear-by-Linear Association	11.043	1	,001
N of Valid Cases	109		

1: one cell (8,3%) has expected count less than 5. The minimum expected count is 4,05.

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	28.872 ²	10	,001
Likelihood Ratio	30.921	10	,001
Linear-by-Linear Association	16.163	1	,000
N of Valid Cases	109		

Tables 14a, 14b. Correlation between income and frequency of travel to the Peloponnese

There is also a statistically significant correlation between income and length of stay.

Income	How long do you stay in the Peloponnese						Total
	1 - 7 days	8 - 10 days	11 - 15 days	16 - 20 days	21 - 25 days	Over 26 days	
Low	3	5	8	4	1	0	21
Medium	0	13	13	13	2	5	46
High	1	3	13	6	7	12	42
Total	4	21	34	23	10	17	109

2. Nine cells (50,0%) have expected count less than 5. The minimum expected count is ,77.

Tables 15a, 15b. Correlation between income and length of stay in the Peloponnese

As seen in Tables 15a and 15b, expatriates with higher and medium income stay longer at their home land. Tables 16a and 16b reveal a statistically significant correlation between income and sources of information for travel to the Peloponnese (p -value $0.008 < 0.05$), as expatriates with higher and medium income use the internet and on-line reservation platforms to organize their travel. On the contrary there is no correlation between income and reason for travel (Table 17 a, b), as p -value was $0.084 > 0.05$.

Income	Sources of information to organize travel					Total
	Travel Agencies	Internet On line reservations	Social media	Magazines – Newspapers	Friends and relatives	
Low	0	14	2	0	5	21
Medium	5	36	3	1	1	46
High	11	23	3	0	5	42
Total	16	73	8	1	11	109

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	17,600 ³	8	,024
Likelihood Ratio	20,622	8	,008
Linear-by-Linear Association	3,519	1	,061
N of Valid Cases	109		

3. Ten cells (66,7%) have expected count less than 5. The minimum expected count is ,19.

Tables 16a, 16b. Correlation between income and source of information for organizing the travel to the Peloponnese

Income	Main reasons to travel to the Peloponnese				Total
	See Friends and Relatives	Vacation	Professional Reasons	Family Matters	
Low	4	12	0	5	21
Medium	12	29	3	2	46
High	14	18	4	6	42
Total	30	59	7	13	109

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	9,670 ⁴	6	,139
Likelihood Ratio	11,158	6	,084
Linear-by-Linear Association	,447	1	,504
N of Valid Cases	109		

4. Four cells (33,3%) have expected count less than 5. The minimum expected count is 1,35.

Tables 17a, 17b. Correlation between income and reason to travel

There is also correlation between income and culture activities at the destination (Tables 18a and 18b), as Pearson Chi-Square test value was $0.001 < 0.05$.

Income	Culture					Total
	No Impact	Low Impact	Average Impact	High Impact	Very High Impact	
Low	0	0	6	13	2	21
Medium	0	1	13	22	10	46
High	1	3	2	16	20	42
Total	1	4	21	51	32	109

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	21,7675	6	,001
Likelihood Ratio	22,074	6	,001
Linear-by-Linear Association	6,431	1	,011
N of Valid Cases	109		

5. One cell (8,3%) has expected count less than 5. The minimum expected count is 2,50.

Tables 18a, 18b. Correlation between income and culture.

Finally, there was no correlation between income and preferred alternative travel activities.

b. Age

There is also no correlation between age and frequency of travel, length of stay and activities at the destination. There was however statistically significant correlation between age and the sources of information (ages 36 to 65), as seen in Tables 20a and 20b.

Age	Sources of information for organizing travel					Total
	Travel Agency	Internet On line reservation	Social media	Newspapers - Magazines	Friends and Relatives	
15-25	0	2	0	0	0	2
26-35	0	15	5	0	2	22
36-45	2	29	1	1	0	33
46-65	7	27	2	0	9	45
Over 66	7	1	0	0	0	8
Total	16	74	8	1	11	110

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	61,170 ⁶	16	,000
Likelihood Ratio	52,678	16	,000
Linear-by-Linear Association	1,269	1	,260
N of Valid Cases	110		

6. Twenty cells (80,0%) have expected count less than 5. The minimum expected count is ,02.

Tables 20a and 20b. Sources of information for organizing their travel to the Peloponnese

Age	Main reason to travel to the Peloponnese				Total
	Meet friends and Relatives	Vacation	Professional Reasons	Family Matters	
15-25	0	2	0	0	2
26-35	1	18	1	2	22
36-45	7	20	0	6	33
46-65	21	17	6	1	45
Over 66	1	2	0	5	8
Total	30	59	7	14	110

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	46,708 ⁷	12	,000
Likelihood Ratio	45,068	12	,000
Linear-by-Linear Association	,111	1	,739
N of Valid Cases	110		

7: Four cells (33,3%) have expected count less than 5. The minimum expected count is 1,35.

Tables 21 a, 21 b. Main reasons to travel to the Peloponnese

Tables 22 to 25 also show a statistically significant correlation between age and “sea and sun”, “natural environment”, “culture” and “local tradition”.

Age	Sea and Sun					Total
	No Impact	Low Impact	Average Impact	High Impact	Very High Impact	
15-25	0	0	0	0	2	2
26-35	0	0	1	10	11	22
36-45	0	0	3	16	14	33
46-65	0	4	4	26	11	45
Over 65	0	0	3	4	1	8
Total	0	4	11	56	39	110

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	21,211 ⁸	12	,047
Likelihood Ratio	21,069	12	,049
Linear-by-Linear Association	11,729	1	,001
N of Valid Cases	110		

8: Fourteen cells (70,0%) have expected count less than 5. The minimum expected count is ,07.

Tables 22a and 22b. Correlation between age and “sea and sun” as one of the main advantages of the Peloponnese as a tourism destination

As seen in Tables 22 a and b, there is a significant correlation (Likelihood Ratio p-value $0.049 < 0.05$) between ages 26 to 65 and “sea and sun” as a main advantage for the Peloponnese.

Age	Natural Environment					Total
	No Impact	Low Impact	Average Impact	High Impact	Very High Impact	
15-25	0	0	1	1	0	2
26-35	0	0	8	11	3	22
36-45	0	0	6	25	2	33
46-65	0	5	9	19	12	45

Over 65	0	0	2	5	1	8
Total	0	5	26	65	18	110

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	19,626 ⁹	12	,075
Likelihood Ratio	21,463	12	,044
Linear-by-Linear Association	,259	1	,611
N of Valid Cases	110		

9: Twelve cells (60,0%) have expected count less than 5. The minimum expected count is ,09

Tables 22c and 22d. Correlation between age and “natural environment” as one of the main advantages for the Peloponnese as a tourism destination.

As seen in Tables 22 c and d, there is a significant correlation (Likelihood Ratio p-value $0.049 < 0.05$) between ages 26 to 65 and “natural environment” as one of the main advantages for the Peloponnese as a tourism destination.

Age	Culture					Total
	No Impact	Low Impact	Average Impact	High Impact	Very High Impact	
15-25	0	0	1	1	0	2
26-35	0	1	7	12	2	22
36-45	0	0	1	24	8	33
46-65	1	3	12	11	18	45
Over 65	0	0	0	4	4	8
Total	1	4	21	52	32	110

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	31,063 ¹⁰	16	,013
Likelihood Ratio	37,678	16	,002
Linear-by-Linear Association	2,857	1	,091
N of Valid Cases	110		

10: Sixteen cells (80%) had a value of less than 5. The minimum expected count is ,05.

Tables 23a and 23b. Correlation between age and “culture” as one of the main advantages for the Peloponnese as a tourism destination.

As seen in Tables 23 a and b, there is a significant correlation (Likelihood Ratio p-value $0.002 < 0.05$) between ages 26 to 65 and “culture” as one of the main advantages for the Peloponnese as a tourism destination.

Age	Local Traditions					Total
	No Impact	Low Impact	Average Impact	High Impact	Very High Impact	
15-25	0	0	1	1	0	2
26-35	0	0	3	9	10	22
36-45	1	0	0	23	9	33
46-65	0	2	9	13	21	45
Over 65	0	0	0	3	5	8
Total	1	2	13	49	45	110

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	26,181 ¹¹	16	,052
Likelihood Ratio	30,771	16	,014
Linear-by-Linear Association	,48	1	,518
N of Valid Cases	110		

11. Eighteen cells (72,0%) have expected count less than 5. The minimum expected count is ,02.

Tables 24a and 24b. Correlation between age and “Local Traditions” as one of the main advantages for the Peloponnese as a tourism destination.

As seen in Tables 24 a and b, there is a significant correlation (Likelihood Ratio p-value $0.014 < 0.05$) between ages 26 to 65 and “Local Traditions” as one of the main advantages for the Peloponnese as a tourism destination.

We also tested age against alternative tourism forms those respondents preferred at the destination. The only correlation found was between age and climbing. Results are shown in the Tables below.

Age	Climbing					Total
	No Impact	Low Impact	Average Impact	High Impact	Very High Impact	
15-25	1	0	1	0	0	2
26-35	3	8	7	2	2	22
36-45	8	13	14	7	1	33
46-65	15	17	10	3	0	45
Over 65	4	0	2	0	2	8
Total	31	38	24	12	5	110

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	26,759 ¹²	16	,044
Likelihood Ratio	28,838	16	,025
Linear-by-Linear Association	1,890	1	,169
N of Valid Cases	110		

12. Seventeen cells (68,0%) have expected count less than 5. The minimum expected count is ,09.

Table 25a, Table 25b. Correlation between age and “Local Traditions” as one of the main advantages for the Peloponnese as a tourism destination.

As seen in Tables 25 a and b, there is a significant correlation (Likelihood Ratio p-value $0.044 < 0.05$) between ages 26 to 65 and “Climbing” as one of the correspondent’s activities at the destination. There was no other statistically significant correlation between age and the other alternative tourism forms preferred at the destination (seen in Table 8). There was also no correlation between age and strong and weak points and tourism development of the Peloponnese.

DISCUSSION

Literature review revealed that age and income are very important factors for the decision of expatriates to visit their home land, as frequency of travel, length of stay, number of accompanying persons and activities at the destination vary widely within different age and income groups. These findings were in parallel to the results of our research.

Our study revealed that there is a statistically significant correlation between income and the expatriates’ decision both to travel to the Peloponnese (their homeland) and stay longer at the

destination (Tables 14 and 15). This means that cost is a very important factor for the decision of these people to travel: however, as most of the expatriates stay at their home or in the houses of friends and family, residence is not a very important factor for them while it is not easy to reduce travel cost in order to further attract these travelers.

There is also a statistically significant correlation between income, age and sources of information for travel to the Peloponnese, as younger expatriates with higher and medium income use the internet and on-line reservation platforms to organize their travel (Tables 16 and 20). This does not mean that lower income expatriates cannot be reached using the internet: although E-mails and letters can also be used for elder people, for most the social media approach seems to be the most appropriate way. A strategy of early registration at lower cost (a win-win agreement between state officials and airlines) may prove to be very important, as these people organize their travel at least one year prior to departure.

We also found that there is a statistically significant correlation between income and culture activities at the destination (Table 18) and also between age and “sea and sun”, “natural environment”, “culture” and “local tradition” of the destination (Tables 22, 23 and 24). No other statistically significant correlation between income, age and preferred alternative tourism forms at the destination was seen (Table 8). This means that certain organized activities (that appear to be the main advantages of the Peloponnese as a tourism destination) should be well known and offered to these travelers by airlines or travel agencies when buying their tickets. There could also be a reduction in tickets to attend or participate to these activities (an expatriate visitor’s coupon would be a good policy).

CONCLUSIONS

This study revealed the important role that expatriates of Greek origin could play for the further tourism development of their homeland within Greece. Both literature review and primary research provided important data concerning the tourism behavior of this population. Although only a small number of statistically significant correlations were found regarding income and age, the correlation between age and participation in cultural events and certain alternative forms of tourism is very important and needs to be further investigated. The majority of respondents visit Greece quite often while most self-organize their trip, mainly through the Internet and on-line booking platforms. During their stay in the Peloponnese, expatriates engage in a variety of activities, with the majority of respondents visiting friends and relatives and participating to various cultural events and activities. Certain proposed diaspora tourism strategies could expand this kind of travel from a simple visit or reunion with friends and relatives to an important and highly profitable activity.

Although this research was limited to one Greek destination, the Peloponnese, our findings could be widely used by tourism policy stakeholders in other destinations that have similar characteristics. Additional research should link the profile of expatriate populations to their

opinion on the destination itself, developmental policies, service quality and customer satisfaction in order to attract more visitors.

REFERENCES

- Alexander, M., Bryce, D., & Murdy, S. (2017). Delivering the past: Providing personalized ancestral tourism experiences. *Journal of Travel Research*, 56(4), 543-555.
- Bandyopadhyay, R. (2008). Nostalgia, identity and tourism: Bollywood in the Indian diaspora. *Journal of Tourism and Cultural Change*, 6(2), 79-100.
- Basu, P. (2004). Route metaphors of roots-tourism in the Scottish diaspora.
- Boo, S., & Busser, J. A. (2005). Impact analysis of a tourism festival on tourists destination images. *Event management*, 9(4), 223-237.
- Canagarajah, S., Silberstein, S., 2012. Special Issue: Diaspora identities and language. *J. Lang. Identity Educ.* 11 (2), 81--149. <http://dx.doi.org/10.1080/15348458.2012.667296>
- Coles, T. (2004). 14 Diaspora, cultural capital and the production of tourism. *Tourism, diasporas and space*, 6, 217.
- Coles, T., & Timothy, D. J. (2004). 'My field is the world': Conceptualizing diasporas, travel and tourism. In T. Coles & D. J. Timothy (Eds.), *Tourism, diasporas and space* (pp. 1-29). London: Routledge.
- Coles, T., & Timothy, D. J. (Eds.). (2004). *Tourism, diasporas and space* (Vol. 6). London: Routledge.
- Coles, T., Duval, D. T., & Hall, C. M. (2005). Tourism, mobility, and global communities: New approaches to theorising tourism and tourist spaces. In W. F. Theobald (Ed.), *Global tourism* (pp. 463-481). Boston, MA: Elsevier.
- Dutt, C. S., Harvey, W. S., & Shaw, G. (2018). The missing voices in the perceptions of tourism: The neglect of expatriates. *Tourism Management Perspectives*, 26, 193-202.
- Hiller, H. H., & Franz, T. M. (2004). New ties, old ties and lost ties: the use of the internet in diaspora. *New media & society*, 6(6), 731-752.
- Hindley, C., & Smith, M. K. (2017). Cross-cultural issues of consumer behaviour in hospitality and tourism. In *The Routledge handbook of consumer behaviour in hospitality and tourism* (pp. 86-95). Routledge.
- Hume, Y. (2011). Diaspora tourism in the Dominican Republic: Capitalizing on circular migration. *Canadian Foreign Policy Journal*, 17(2), 155-170.
- Iorio, M., & Corsale, A. (2013). Diaspora and tourism: Transylvanian Saxons visiting the homeland. *Tourism Geographies*, 15(2), 198-232.

- Kasinitz, P., Mollenkopf, J. H., Waters, M. C., & Holdaway, J. (2008). *Inheriting the city*. Cambridge: Harvard UP.
- Lee, K. (2017). Conceptual foundation of consumer behaviour. In S. K. Dixit (Ed.), *The Routledge handbook of consumer behaviour in hospitality and tourism* (pp. 16–25). Routledge. <https://doi.org/10.4324/9781315659657>
- Li, T. E., & McKercher, B. (2016). Developing a typology of diaspora tourists: Return travel by Chinese immigrants in North America. *Tourism Management*, 56, 106-113.
- Li, T. E., McKercher, B., & Chan, E. T. (2019). Towards a conceptual framework for diaspora tourism. *Current Issues in Tourism*, 1–18. <https://doi.org/10.1080/13683500.2019.1634013>
- Li, T. E., McKercher, B., & Chan, E. T. (2019). Towards a conceptual framework for diaspora tourism. *Current Issues in Tourism*, 1–18. <https://doi.org/10.1080/13683500.2019.1634013>
- Maddern, J. (2004). The Isle of home is always on your mind: Subjectivity and space at Ellis Island immigration Museum. In T. Coles & D. Timothy (Eds.), *Tourism, diasporas and space: Travels to promised lands* (pp. 167–185). London: Routledge.
- Marschall, S. (2015). ‘Homesick tourism’: Memory, identity and (be)longing. *Current Issues in Tourism*, 18(9), 876–892. <https://doi.org/10.1080/13683500.2014.920773>
- Pearce, P. L. (2011). *Tourist behaviour and the contemporary world*. In *Tourist behaviour and the contemporary world*. Channel view publications.
- Reyes, A., 2014. Linguistic anthropology in 2013: super-new-big. *Am. Anthropol.* 116 (2), 366--378. <http://dx.doi.org/10.1111/aman.12109>
- Rosa, J., Trivedi, S., 2017. Diaspora and language. In: Canagarajah, S. (Ed.), *The Routledge Handbook of Migration and Language*. Routledge, New York/London, pp. 330--346.
- Scheyvens, R. (2007). Poor cousins no more: valuing the development potential of domestic and diaspora tourism. *Progress in Development Studies*, 7(4), 307-325.
- Tsuda, T. (2013). When the diaspora returns home. A companion to diaspora and transnationalism, 172-189.
- Weaver, D. B., Kwek, A., & Wang, Y. (2017). Cultural connectedness and visitor segmentation in diaspora Chinese tourism. *Tourism Management*, 63, 302-314.
- Weaver, D. B., Kwek, A., & Wang, Y. (2017). Cultural connectedness and visitor segmentation in diaspora Chinese tourism. *Tourism Management*, 63, 302–314. <https://doi.org/10.1016/j.tourman.2017.06.028>
- Williams, A. M., & Hall, C. M. (2000). Tourism and migration: new relationships between production and consumption. *Tourism geographies*, 2(1), 5-27.

- Williams, A. M., & Hall, C. M. (2000a). Guest editorial: Tourism and migration. *Tourism Geographies*, 2, 2-4.
- Zare, S. (2019). Cultural influences on memorable tourism experiences. *Anatolia: In International Journal of Tourism and Hospitality Research*, 30(3), 316–327. <https://doi.org/10.1080/13032917.2019.1575886>

Riviere Coastal Tourism: a Preliminary Analysis

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ABSTRACT

Tourism represents a strategic asset for the Liguria Region. However, the COVID-19 pandemic impacted the number of tourists in the area, and a restructuring of the sector is urgently required. Aiming to provide new insights, I will discuss quantitative data about the number of tourist presences and arrivals in a list of coastal municipalities in the Savona province. These municipalities are participating in the tourist roundtable at the local chamber of commerce and represent a political entity with which a list of strategies has been qualitatively analysed. Delphi roundtables and qualitative interviews have also proven useful in illustrating how and why uncharted territory may be incorporated into the regional tourism industry. A multiscale sectoral governance approach and the opportunity to combine a four-clustered model into the political discussion were highlighted, as well as the economic implications for local communities.

Keywords: Coast tourism, Presence and stay, “Riviere delle palme”, Qualitative cluster, Multiscale governance.

INTRODUCTION

Tourism has always been and continues to be a strategic asset for the Liguria Region. Although the 2019 pandemic had a significant impact on the number of tourists in the region, arrivals and tourist length of stay describe a stable trend over recent times. Once the situation cleared up, it appears that some positive effects remain, but new policies in the sector may still require some updates.

In general terms, tourism is not just a part or a sector of the bigger economy. Tourism is meant to be addressed to a specific industry, such as rural tourism (Lane, 2009), cultural tourism (du Cros and McKerche, 2020), and nature tourism (Whelan, 1988), but it has its own general functioning rules. Its contextualisation is also required to understand the actual connections it may have with other human activities and its social relevance (Warf and Santa, 2008).

Furthermore, scholars have observed that the interstice traveler is the one who, within their daily routine, finds a unique way of looking at something with the wonder of discovery and,

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at the same time, with pleasure (Urbain, 2000). From a postmodern perspective, Bauman stated that modern tourism carries a negative connotation because it is thought to create social distance (1996).

In addition, authenticity is a key feature of tourism, and, in fact, it is understood by MacCannel (2013) as an attempt to fill the crack that represents modern times. Within this context, tourism would be a way to do so, and at the same time, being able to do this belongs to the upper class. Today, tourism seems to represent a modern form of pilgrimage in which the lost society is celebrated, and social unity is found in its authenticity.

Apart from the above identitarian and cultural perspectives, the three-dimensional model provided by Celant (2007) seems to be useful at this point. A “monopolar approach” is that of choosing a primary place to visit, for instance, cities such as Rome, Florence, New York, and Tokyo. The tourist in this case will focus on the primary place and carry out a thorough exploration of it.

The second model is called the “stellar approach”, and that is when the tourist stays in a primary place and then follows a hierarchical path to visit the surrounding areas. This approach is beneficial to all parties concerned. The final approach is the “circuit one”. This refers to a choice of visiting an agglomeration of places that have a common denominator, which would not be the case if taken singularly. An example of this is ‘Castles in Puglia’ or the underground houses in Cappadocia. This type of tourism represents a short stay and might present different setbacks.

Of course, it is a challenge to define and measure the social relevance of tourism. Tourism is meant, in fact, as a socially meaningful phenomenon that is not separated from other human activities (Warf and Arias, 2008). Among them, policy options and the ability to govern processes were considered relevant issues on the national and European scales. In fact, the tourist arrivals on the Savona Riviera coast are characterised by a mixture of Italian and European tourists. To sum up, it is just the conjunction between tourism and the political options that inspired this work. The way the data was created is not casual. The quantitative data showed the flow of tourist presence and stay, and the type of accommodation used, was intended as a framework to depict the coastal backgrounds, while the qualitative information reflected different viewpoints, needs, and interests.

Keeping in mind the above, the quantitative data about the number of Italian and European tourist presences and the arrivals in a series of coastal municipalities in the Savona Ligurian province were analysed comparatively. These coastal municipalities are still taking part in the tourist roundtable at the local chamber of commerce and represent a political entity with which it might be possible to discuss further strategies. These strategies will be an unavoidable part of any future political activity, and the qualitative data were of help. Interviews, focus groups, and Delphi roundtables were understood as a process of mutual understanding among participants, and the data transcription was also thought of as the result of a shared negotiation.

The data collected and analysed this way is understood to show a qualitative perspective, and its qualitative indicators might shape further scenarios in the same quantitative way.

In detail, quantitative data about the tourist presence and arrivals will be illustrated in a disaggregated manner that reflects the tourist accommodation typology that was used by Europeans only, while quantitative data provided a general overview. Furthermore, the qualitative interviews and roundtables have been of help to delineate how and why unexplored territorial areas might be integrated into the logic of tourist sector cooperation. The quantitative data were obtained from the Ligurian regional statistical tourism office, while qualitative information was obtained by engaging policy makers, stakeholders, and experts in the field.

Multiscale sectoral governance and the possibility of extending these proposals to the internal areas will also be part of the discussion. In fact, the recent debate focused attention on the political implications of these internal areas that could improve the socio-economic and environmental wealth of the local communities.

THE LIGURIAN AND THE “RIVIERE” TOURISM: AN APPROACH

Tourism is a strategic asset in the so-called “post-Fordist” society, not just for the Liguria Region. While the COVID-19 pandemic had a strong impact on the number of tourists in the area, a sector restructuring is urgently required. The COVID-19 pandemic is considered finished, but safety measures should be maintained as necessary, and policies for tourism should also be implemented. The Savona coastal economy is still internationally dynamic, and the tourist structure has changed. The tourism demand has also changed and requires a restructuring of the demand and supply dynamics in the sector. .

Focusing on the demand, the coastal Municipalities along the Savona Province represented for a long-time an attractive venue, especially for those coming from the nearby industrialised cities of Torino, Milano, and Genova. Torino and Milano are, in fact, located within a distance of 150 to 300 kilometres from the Ligurian coast, which provides an easy city break for tourism. In addition, while certain low-income residential coastal municipalities are suburbs located close to the Genoa and Savona metropolitan areas, many others instead represent urban and environmental beauty excellence (Muratorio, 2010). The tourist offer associated with the two above demand models has structurally changed, and consequently, the number of tourists and the length of their stay have also diminished over time (J., 60, male, To) . Recently, the number of tourist cruises stopping at the port of Genoa and Savona has increased, with a large impact on the local economic and environmental systems, and the development of the internal areas behind the two main cities is now considered part of the picture (K., 53, female, Sv). However, it remains unknown which are the main factors that might have impacted the local system and how they might have structurally altered the demand side of tourists, apart from those related to the Covid-19 pandemic.

Focusing on the offer, the few information available describes the Savona coastal tourism as being characterized by the so-called “proximity tourism” that is oriented mainly toward tourists from Torino and Milan. As previously stated, the nearness of these two important cities has largely influenced the geographical setting. For a while, it was taken for granted that tourists from Turin and Milan would come to the Savona coast independently of the quality of the services offered. It is estimated, in fact, that 60% of accommodation facilities are leased out to be managed by others, who, of course, have no interest in structural makeovers. This continues to perpetuate an eternal vicious cycle of conflict between owners and leasing agents. Since neither of them adequately invests in the properties, the tourist does not perceive the offer as being worth the price requested and goes elsewhere. This means that the offer side is satisfied by proximity tourists mainly, and it cannot really compete on the international scale in any matter (I., 60, male, To).

THE SOCIO-ECONOMIC BACKGROUND

Although the Liguria region was influenced by the growth of the Fordist economy, it changed radically in the late 1980s. From then onward, the Ligurian economy shows a limited industrialisation and a spread of the tertiary sector. The high-knowledge intensity services developed quickly, together with manufacturing, as well as the logistic chain that is normally well-connected to the harbour dynamics. Economy is now specialised in energy production and in the shipbuilding industry, while the small enterprises are limited when compared with the national ones (Benelovo, 2014).

In this context, tourism still represents a strategic asset for the future. However, the data describes that the rent structures are being affected by the lack of interest by their owners in structurally improving them. Another distinction exists between proprietors and managers of the rented structures. Since most of the accommodations are rented, proprietors show their lack of interest in them, which will affect the managerial efficiency in handling a poor offer. Due to this, the value of the structures remains internationally uncompetitive. The previous structural lack of interest was thought to be connected to an intergenerational father-son owner dynamic that will be positively affected by the younger owner and manager generations, which are just part of the process of transformation (J. E., 16/09/2020).

RESEARCH QUESTION AND HYPOTHESIS

Tourism was intended as an empirical object of investigation that includes several political and economic dimensions important to better understand the demand and supply sides of it. Indeed, the still existing tourism roundtable at the provincial chamber of commerce includes several coastal municipalities, and this is why the research question focused attention on them first. These questions were: 1. Has tourism changed so far? 2. In which way has it changed, and in which way has the local system reacted? 3. On whom might the local tourist

policies focus attention? The research questions are ambitious and were developed just before COVID-19 arose. That is why pandemic effects are part of the picture in small part, while certain continuity lines have been meant crucial. Yet, the data mixture has been of help to underline certain path-lines and to indicate whether a multilevel governance might have been adopted by local authorities.

THE DATA, MUNICIPALITIES, AND TERRITORIAL AREAS

To answer the above questions, fresh quantitative and qualitative data were collected and analysed. The data included the tourist “arrivals” and “stays” in all types of accommodation facilities located in each of the Municipalities that still participate in the Tourist roundtable at the provincial Chamber of Commerce, with the aim to establish common policies and drive further transformations. These municipalities are Alassio, Albenga, Albissola, Albisola, Borghetto, Finale, Loano, Noli, Pietra, Spotorno, Toirano, Tovo, Varazze. While the majority of these are on the shoreline, others are not. As stated above, the data regard the tourist “arrivals” and “stays”, which are divided according to the typology of accommodation used for the period 2018 - 2024. This provided enough information to determine the flow of tourists by type of accommodation and their length of stay. The second one includes qualitative interviews with policymakers, stakeholders, and experts. The data created a qualitative frame for policy analysis. During the Delphi roundtables, certain dynamics of the tourism demand and offer issues were identified. The data have been anonymized, transcribed, and analysed by employing the Boolean investigation, and the results follow.

THE LOCAL SYSTEM

Since the Covid-19 has dramatically influenced the individual daily life, the data provide a descriptive and diachronic view of the COVID impacts on tourism, but also certain continuity lines. As mentioned above, the data include information about all the accommodation facilities available for each of the municipalities, and the number of tourist arrivals and stays in the period 2018 – 2024. Data in tables one to twelve regard the tourism supply and demand in the Savona province. During the past years, the number of accommodation facilities has slightly increased. During the same time, the standard hotel facilities showed an occupancy decrease when compared with others. To be specific, not all types of hotel facilities reflect the quantity decline, but just the traditional hotel structures (- 10 units). When compared to the traditional lodging options, the non-traditional lodgings—such as camping, bed and breakfasts, and youth hostels—also displayed a decline in occupancy, albeit not as much (tables 1, 2, 3). There is also an increase in Italian and foreign arrivals, although the length of their stay diminished over time.

To provide more details, Italian and foreign arrivals and stays were divided into three quarters for the 2018 to 2024 period (tables 6 to 9). This established a clear high-season and

low-season scheme. Between 2018 and 2019, a decrease in the Italian and foreign tourists' presences were observed. The percentage variation shows how, during the October to December period, the Italian tourists were fewer in comparison to the foreigner ones.

During January to March, the Italians are a little bit fewer, and the foreigners are practically not present, while between April and June, both Italians and foreigners show a slight decrease. Both Italian and foreign tourists decline over the summer, with the exception that foreigners are significantly less prevalent on the Ligurian beaches. Within the seasonal logic, the period from autumn to Christmas is positive, while the rest of winter needs to be reviewed to offer better functional services.

Table 1: Hotels and non-standard accommodations

	2018	Var %	2019	Var %	2020
Hotels	374	-2%	366	-1%	363
Non-standard accommodations	433	7%	464	5%	486
N=	807	3%	830	2%	849

(n: accommodation facilities, n: municipalities, absolute values and % variation).

Table 2: Hotels

	2018	Var %	2019	Var %	2020
Hotels	301	-3%	292	0%	291
Period residence	1	0%	1	0%	1
Boarding house	72	1%	73	-3%	71
N=	374	-2%	366	-1	363

(n: accommodation facilities/typology of accommodation facilities, n: municipalities, absolute values and % variation).

Table 3 Non-standard accommodations

	2018	Var %	2019	Var %	2020
Room for let	93	8%	100	10%	110
Farm holiday	48	10%	53	6%	56
B&B	155	6%	164	1%	166
Holiday homes	90	12%	101	5%	106
Hostels	2	0%	2	0%	2

Camping	40	-3%	39	5%	41
Resorts	2	0%	2	0%	2
Mountain cabins	3	0%	3	0%	3
N=	433	7%	464	5%	486

(n: non-hotel accommodations, n: municipalities, absolute values, and % variation).

Therefore, during the last years and excluding the influence of COVID, the hotel accommodations were the ones that suffered mostly from a lack of presence and shorter stay (% variance -3 for hotels). Analysing the data in table one, which concerns the non-hotel accommodations, the ones that show the best results are the camping facilities. In 2018 and 2019, they showed a - 3% while in the following year they had an increase equal to + 5%. The “rooms for let” also show a positive trend, and a growth of two units during the time observed (percentage variation). The non-standard accommodation values show that the entire sector has done well, with an average value of 5% (percentage variance) during the same time.

Analysing the demand side, the data show that over time, Italians represent most of the tourists in the province. During 2018 and 2019, the Italian were more than three times in terms of arrivals when compared with foreigners. The data about 2020 and 2022 were affected by COVID and, therefore, should be carefully analysed.

It is clear that due to the travel restrictions, the presence of Italian tourists was five times more than that of foreign ones (tab. 4), indicating that the internal market stands the comparison with the competitors. The data was, in fact, analysed by keeping in mind two periods of time. The first one refers to the initial 2020 pandemic wave when the information was affected by the impact of the travel restrictions. These were compared with the previous 2018 and 2019 data only. The second time, instead, refers to the second pandemic wave that was not as aggressive, and the green pass was issued, which allowed international travel. The 2024 data were therefore compared with the 2019 data. This was able to provide a balance within the tourist trend during the first COVID wave and the second one, during which certain health measures were introduced to cope with it.

Table 4: Italian and foreign arrivals

	2018	var %	2019	var %	2020	var %	2022	var %	2024
Italians	692.733	0,75	697.957	-35,38	451.020	23,55	557.221	5,2	585.924
Foreign	233.580	0,64	235.083	-61,49	90.540	76,71	159.991	37,2	219.447
N	926.313	0,73	933.040	-41,96	541.560	32,43	717.212	12,3	805.371

The length of stay calculations (stays/arrivals) for 2020 show that the average stay for the

Italians was almost three full days per person, while the foreigners' average stay remained at a little more than two days per person. Overall, the tourist arrivals decreased by 55% in 2020, and the length of stay decreased by 72% in the same year. Simply speaking, the data indicated that fewer foreigners stayed for a shorter time (tab. 5).

Table 5: Italian and foreign stays

	2018	var %	2019	var %	2020	var %	2022	var %	2024
Italian	3.160.421	-1,64	3.108.652	-31,58	2.126.954	14,08	2.426.449	8,6	2.636.278
Foreign	1.029.475	-5,19	976.010	-60,84	382.241	83,94	703.095	30,5	917.870
N	4.189.896	-2,51	4.084.662	-38,57	2.509.195	24,72	3.129.544	13,6	3.554.148

TOURISM SEASONALLY

Seasonality is a universally recognized global tourism phenomenon. Generally, indicates fluctuations of demand or supply in the tourism industry, caused by temporary movement of people due to factors such as climate conditions and public and school holidays. The dichotomy between the low and high season tourism has also been noticed as being an issue for the local system (K., 53, female, Sv), and the data has been split into four trimesters to analyse tourists' flux during high and low seasons (tables 6 - 10), and the possibility to develop policies that can sustain the de-seasonalised tourism has been largely noticed (A., 60, male, Allassio). A de-seasonalised process is a process through which something, such as the tourism industry, might be adjusted to continuous rather than seasonal operation. Accordingly, the possibility of implementing the supply side of the marine tourism also during the low season has been assumed.

On this basis, the trimesters have been quoted as follow: 1: October, November, December 2: January, February, March 3: April, May, June 4: July, August, September.

Table 6: Italian and foreign arrivals years 2018 – 2024 first quarter

	01, 2018	var %	01, 2019	var %	01, 2020	var %	01, 2022	var %	01, 2024
Italian	59.956	-1,38	59.130	-67,14	19432	205,83	59428		
Foreign	28.781	11,05	31.962	-84,48	4959	540,75	31775		
N	88.737	2,65	91.092	-73,22	24.391	273,92	91.203		

Table 7: Italian and foreign stays years 2018 – 2024 first quarter

	01, 2018	var %	01, 2019	var %	01, 2020	var %	01, 2022	var %	01, 2024
Italian	195.530	-5,03	185.693	-52,27	88626	104,82	181526		
Foreign	121.679	7,63	130.958	-79,27	27148	377,55	129645		
N	317.209	-0,18	316.651	-63,44	115774	168,77	311171		

Table 8: Italian and foreign arrivals years 2018 – 2024 second quarter

	02, 2018	var %	02, 2019	var %	02, 2020	var %	02, 2022	var %	02, 2024
Italian	90.029	11,10	100.021	-42,13	57.882	-76,03	13.873	473,4	79.550
Foreign	21661	-28,95	15.391	-36,12	9.832	-82,66	1.705	580,8	11.607
N	111.690	3,33	115.412	-41,33	67.714	-76,99	15.578	485,2	91.157

Table 9: Italian and foreign stays years 2018 – 2024 second quarter

	02, 2018	var %	02, 2019	var %	02, 2020	var %	02, 2022	var %	02, 2024
Italian	406.516	-0,33	405.186	-15,56	342.129	-80,26	67.530	308,5	275.871
Foreign	75067	-32,68	50.537	-10,32	45.322	-79,09	9.476	320,1	39.812
N	481.583	-5,37	455.723	-14,98	387.451	-80,12	77.006	309,9	315.683

Table 10: Italian and foreign arrivals years 2018 – 2024 third quarter

	03, 2018	var %	03, 2019	var %	03, 2020	var %	03, 2022	var %	03, 2024
Italian	247.745	-3,73	238.513	-71,06	69.037	154,46	175.671	35,9	238.749
Foreign	79.468	2,57	81.510	-92,20	6.354	300,94	25.476	233,5	84.973
N	327.213	-2,20	320.023	-76,44	75.391	166,81	201.147	60,9	323.722

Table 11: Italian and foreign stays 2018 – 2024 third quarter

	03, 2018	var %	03, 2019	var %	03, 2020	var %	03, 2022	var %	03, 2024
Italian	871.144	-2,11	852.800	-74,49	217.565	153,71	551.985	42,6	787.223
Foreign	319.257	-3,82	307.074	-93,19	20.905	367,84	97.802	264,6	356.630
N	1.190.401	-2,56	1.159.874	-79,44	238.470	172,48	649.787	76,0	1.143.853

Table 12: Italian and foreign arrivals years 2018 – 2024 fourth quarter

	04, 2018	var %	04, 2019	var %	04, 2020	var %	04, 2022	var %	04, 2024
Italian	295.003	1,79	300.293	-24,57	226496	36,09	308249	-5,0	292.711
Foreign	103.670	2,46	106.220	-56,32	46396	117,77	101035	21,6	122.867
N	398.673	1,97	406.513	-32,87	272.892	49,98	409.284	1,5	415.578

Table 13: Italian and foreign stays years 2018 – 2024 fourth quarter

	04, 2018	var %	04, 2019	var %	04, 2020	var %	04, 2022	var %	04, 2024
Italian	1.687.231	-1,32	1.664.973	-70,49	491362	230,80	1625408	-3,2	1.573.184
Foreign	513.472	-5,07	487.441	-83,18	81978	468,66	466172	20,2	560.327
N	2.200.703	-2,19	2.152.414	-73,36	573340	264,81	2091580	2,0	2.133.511

The 2018 and 2019 stay-length showed a decrease in Italian and foreign tourists. The trimestral data indicate that during October, November, and December, the Italians diminished while the foreign ones increased. In January, February, and March, the Italians were slightly less, while the foreigners dropped considerably. During the spring months, there is a decrease in both Italian and foreign tourists. Instead, during the summer months, there are slightly fewer Italians and even fewer foreigners. Within the out-of-season tourism, autumn and Christmas holidays were positive, while the winter months require that the functional services offered be given an overview.

Table 14: Stays/arrivals of Italians and foreigners, all Municipalities, 2018–2024**stays/arrivals 18 – 21 trimesters**

	2018	2019	2020	2022	2024
1 it	3,30	3,10	4,56	3,05	
1 fo	4,20	4,10	5,47	4,08	
1 all	3,60	3,50	4,75	3,41	
2 it	4,50	4,10	5,91	4,87	
2 fo	3,50	3,30	4,61	5,56	
2 all	4,30	3,90	5,72	4,94	
3 it	4,00	3,80	3,15	3,14	
3 fo	3,50	3,60	3,29	3,84	
3 all	5,70	5,50	3,16	3,23	

4 it	5,72	5,54	5,54	2,87	
4 fo	4,95	4,59	4,59	1,48	
4 all	5,52	5,29	5,29	2,23	

As shown in table nr 14 and focusing on the 2018–2019 period, a slightly lower stay is registered in the tourist facilities observed. The autumn and winter trimesters show a fluctuation trend, while during the high season months are stable.

THE COVID-19 SECOND WAVE

As previously stated, the impacts of COVID on the Savona province had a significant impact on Italian and foreign tourism. The data is not surprising since during the 2020 pandemic, severe measures were introduced to cope with the effects of COVID. In 2021, the vaccine against COVID and the green pass, which allowed more people to travel abroad, were introduced. In fact, it includes the revitalization of the tourism sector, which accounts for a significant portion of Italy's GDP. To create a balance between the Italian and foreign arrivals and stays, the 2022 data was compared with the 2018 data, while the year 2020 was not taken into consideration because of the severity of the initial pandemic wave.

THE SECOND WAVE: ITALIAN AND FOREIGN ARRIVALS AND STAYS

As stated above, the 2020 data show a decline in the arrival and stay of all tourists, especially during the initial pandemic wave in the early spring, 2020. During the following summer, there was a modest increase in tourists, even if less than the prior year 2019. Both arrivals and stays were equally reduced that means that fewer tourists arrived and stayed for a shorter time. Since the arrival rate was influenced by the COVID restrictions, the services offered showed to have stood up well to their impacts.

On the other hand, tables 5 and 6 illustrate that for the years 2020 and 2022, there was a general increase in Italian and foreign arrivals and stays, with the latter ones showing a higher presence. However, it should be noted that the true effects of COVID must be traced by comparing the pre- and post-pandemic data to obtain a clearer picture. For this reason, following tables 15 and 16 illustrate the Italian and foreign arrivals and stays during 2022, when there were fewer restrictions. This data was then compared with that of 2018. This comparison describes the pre and post-trend and balances the effects of arrivals and stays in the province.

Table 15: Italian and foreign arrivals

	2018	var %	2022
Italians	692.733	-19.56	557.221
Foreign	233.580	-31.50	159.991
N	926.313	-22.57	717.212

Table 16: Italian and foreign stays

	2018	var %	2022
Italian	3.160.421	-23.22	2.426.449
Foreign	1.029.475	-31.70	703.095
N	4.189.896	-25.30	3.129.544

As mentioned, a comparison between the pre- and the post pandemic trends might only depict the real impact of the pandemic on the tourist provincial system. While the data show a modest increase in Italian arrivals and a huge increase in foreign arrivals for the 2020–2022 period as compared with the first and the second pandemic waves, the tourist arrivals fall to almost a total of -23 %. About 160,000 foreign tourists arrived on the coast during 2022, indicating as being much fewer than in 2018, when they numbered 233.580 (-31.50). The Italians who decided to visit the Savona coast during 2022 were 557.221 and represented a decrease of -19,56 % when compared with the ones that arrived there during 2018 (tab. 11).

The length of stay followed suit. The data about 2020-2022 describe a growing trend with a significant foreign presence and a minimal Italian one. However, this growing trend is not realistic since there were a lot of exceptions as far as travel mobility during the pandemic. Only a comparison with the pre-pandemic information might shed light on the matter. In fact, between 2018 and 2022, the tourist stay decreased to a total of -25.30%. In particular, the duration of stay for foreigners dropped to roughly -31.70%, while the Italian value stabilised at -23.22%. This indicates that the number of nights spent in seaside accommodations dropped to -733.972 for Italians and -326.380 for foreigners. The 2022 seasonal tourism was not considered since the pandemic restrictions and the green pass measures were still effective and influenced the actual arrival and stay trend, and a descriptive balance of the COVID impact at the local level was provided only.

Table 17: Stays/arrivals Italian and foreign tourism, 2018 – 2022, total

stays/arrivals 18 - 22			
	2018	2022	
Italians	4.56	4.35	
Foreign	4.40	4.39	
Total	4.53	4.36	

An indicator of tourist arrivals and stay during the pre and post-pandemic is provided in table 17 and was calculated based on the Italian and foreign tourists' arrivals and stay during the years 2018 and 2022. Data show that there is a stable trend because the average number of nights spent in the coastal Savona province accommodations did not vary that much. In other words, the individual average length of stay is about 4 and a half nights, and its structure is almost equal for the years 2018 and 2022. This information is encouraging since it indicates that the coastal Savona province is still an attraction for national and international tourists, even though the pandemic has largely affected the local economic and social systems.

THE “RIVIERE” AND THE EUROPEAN TOURISM

The data show that the coastal Savona province is still an attraction for tourists and, among the foreign ones, Europeans are the majority, while the non-European tourists are less than one in ten when compared with the Europeans only (2022-2024). The European and non-European tourist presence and stays have almost doubled in the years 2022 and 2024, presumably as a consequence of the COVID measures restriction removal, and a balance between the pre and the post pandemic crisis seems to have been re-established. Indeed, there is a homogeneity of European tourists' presence on the Savona coast, while the countries mainly represented are those with more than 1000 individuals during the year 2024. In comparison, the Austrian, French, German, Norwegian, Dutch, British, Swedish and Swiss tourists are those who have mostly visited the “Riviera delle Palme” coast. All these come from Northern Europe. The Danish, Belgian, and Romanian tourists follow suit, and all the rest is a real minority. However, its structure is still unclear, as well as the length of the stay.

Table 18: Arrival and stay of the main national groups, index of stay

	2022		2024		2024
	Arrival	Stay	Arrival	Stay	Stay/arrivals
Austria	5969	25957	8831	35987	4,08
Belgium	2731	12892	3685	17265	4,69
France	20286	49872	34621	84695	5,32

Germany	45571	238993	68189	342574	2,71
Norway	505	1943	2672	10372	3,09
Netherlands	10188	56964	13116	69154	5,22
Poland	1528	6017	3504	14674	2,61
United Kingdom	1863	6645	5492	20089	3,35
Check republic	1198	5620	2438	10588	2,45
Rumenia	2353	7170	3959	15110	5,02
Spain	1430	3260	2959	6891	2,99
Swiss	50673	217264	69919	288639	3,74
n Europe	151523	662497	235467	979720	3,73
n other	8625	41530	20038	83902	2,62
N	160148	704027	255505	1063622	

Table 19: Arrival (ar) and stay (st) of the main national groups (2024) based on the cluster definition

	Alasio		Albenga		Alb. S.		Albis. M.		Borghetto		Pietra		Lanino		Toirano		Noi		Spotorno		Finale		Tovo		Varazze	
	Ar	St	Ar	St	Ar	St	Ar	St	Ar	St	Ar	St	Ar	St	Ar	Pr	Ar	St	Ar	St	Ar	St	Ar	Pr	Ar	St
Au.	1196	4936	711	2522	49	119	103	214	7	11	1126	4809	490	1990	2	8	199	738	423	1246	4093	18195	27	63	356	1136
Bel.	613	2138	301	1413	14	19	46	101	10	59	525	2800	831	5367	15	69	36	97	209	845	839	3604	39	162	193	591
Fra.	15478	31052	2620	6108	170	236	667	1014	49	91	2738	9691	2763	11615	59	222	569	1419	1430	3259	5868	15959	191	450	1849	3579
Ger.	8895	44471	6265	26344	149	341	507	1188	60	274	11198	64475	5493	30326	50	276	938	4336	3565	10123	28415	150729	324	1270	2181	8421
Nor.	1063	4257	127	393	5	5	27	43			222	976	287	1261			72	257	113	338	624	2594		4	127	244
Neth.	1795	8315	1109	4539	41	76	63	132	24	284	4302	22751	2055	16235	9	39	113	339	684	1732	2336	11775	85	311	459	2626
Pol.	502	1901	274	876	25	39	85	153	10	51	742	3654	348	1901	2	12	275	1555	178	475	680	2832	9	47	349	1178
UK	277	704	99	230	15	23	58	134	2	2	158	428	112	283			7	13	120	276	190	520	4	6	209	447
Cze.	1838	7572	365	1071	13	15	84	168	1	1	495	1806	348	1381	8	12	106	324	222	599	1719	6327	25	31	255	782
Rom.	220	748	296	1182	22	43	45	112	5	7	564	3192	190	1009	6	40	23	103	102	228	797	3443	12	18	134	463
Spain	858	2615	369	1838	41	58	315	588	4	7	455	1731	625	3821	6	14	23	61	234	696	547	1734	12	30	429	1917
Swiss	413	1592	385	541	46	62	116	209	11	27	331	685	200	609	16	17	31	66	257	535	706	1823	70	91	331	634
N	19630	85164	3466	14385	146	335	805	2039	40	118	6994	31502	4270	21105	40	111	1377	4924	4448	15209	23358	96929	128	463	5171	16355

Absolute values in chart 18 represent the Swiss, German, French, and Dutch as the majority during the years 2022 and 2024. The remaining tourists are found in decreasing order. The European arrivals doubled or tripled in some instances during the 2022 period. This is not surprising since the COVID measures were reduced at that time.

Examining the dynamics within the Savona territory, some peculiarities can be observed. Looking at the arrivals, a line can be traced from Northern Europe toward the South. The tourists from Central Europe arrive in massive number but other Northern Europeans follow closely. Norwegians, British, Czechs, and Rumanians who come all from the Centre/North Europe choose to spend a certain amount of time in loco as did some Spaniards. Not taking into consideration the Spaniards, most of the tourists are from North/Centre Europe, illustrating a clear path toward the Mediterranean basin.

On the other hand, certain internal differences in the structure are quite clear. As far as the stay structure – that is calculated on the arrival and stay basis – it is to be noticed that although the Germans come mainly, their stay is shorter. Their average stay is about three days/person. The French, on the other hand, arrived in large number but their average stay/person was around 5 days. The Swiss presence, which is also very large and almost at the level of the German one, is solid, and the average stay is around four days/person. The French, Dutch, and Romanian all stayed for more than five days/person in the Savona province facilities, but the French represent the much larger number of arrivals. All remaining European tourists have stayed in the Savona area for an average period of two to three nights/person, which is evidently shorter when compared with others.

It is known that the French, German, Swiss, and Dutch really appreciate the coastal Savona province destinations (Tizzoni, 2021). It is also known that the French in 2024 stayed for a fairly longer period when compared to the Germans. By observing the tourists from Northern Europe, a certain attraction for the Mediterranean basin is clearly outlined. However, it remains to be determined how and in what numbers these presences are distributed within the already mentioned Municipalities along the Savona shore. The above table 19 illustrates this dynamic.

By analysing the foreign entry flow and aggregating information on the four clusters (K., 53, female, Sv), the situation appears fairly clear. The Spaniards, for some reasons chose Alassio as their main destination while the Germans and the French stayed in Albenga instead. These last two groups represent absolute values as the bulk of foreign tourists on the “Riviere delle Palme.”

The cluster that includes Albisola ed Alissola shows that there was a good deal of Spaniards in the latter area, as compared to the former, where there was also a Swiss significant presence. In cluster 3 the Germans represented the majority of tourists throughout the year, as indicated by the area expert (M., 70, male, Ge). The Swiss entries are aligned with the structural data, while all the other foreign entries maintained a stable dynamic without any significant median variation.

To conclude, knowing if a North European tourist model might be applicable to the Savona coast is still not evident, although the data seem to suggest this. On closer view, the territorial proximity might explain the entry flow, while the stay structure would deserve further investigation. In general terms, there is a large proportion of tourism on the Riviere coast, and the Swiss would have represented the majority. This proximity tourism, of course, cannot apply to those who come to the Riviere from farther North, and this is an indication that the Mediterranean basin might represent a real attraction.

MACRO SOCIO-ECONOMIC PRODUCTIVE STRUCTURE

The structure of the Italian and foreign tourists on the Savona coast was previously analysed. It is obvious that the tourism industry was seriously affected by the pandemic, and it is equally evident that during the year 2022, the situation improved considerably. This demonstrates that the measures taken have had a positive effect on the system. Nevertheless, the 2024 numbers, when compared to 2018, show that there is still a tourism crisis, even if not as detrimental as in 2022.

Possible answers might be found in the additional desire that each municipality has in planning together and joining assets, as some of them have already done by taking part in the provincial tourism round table. However, the existence of such will has not been verified yet, but some ideas emerged during the Delphi roundtables. The experts met online during the initial COVID-19 pandemic wave, where several topics were covered. This included the tourism offer diversification, measures to cope with the social distancing and facilities access, price increase, etc. In the end, the tourism offer diversification on the European scale was found to be the most important issue at hand since it requires an extensive effort and planning to obtain mid-long term transformations. The other issues were considered conjunctural matters that depend only on the pandemic conditions.

In a second instance, the options were further discussed, and experts agreed about the need to recognize certain criteria that would help create clusters on which the offer would be established. Each municipality was economically and politically analysed by looking at the main traits that might characterise them. The existence of certain characteristics is the uniting factor in creating the logical cluster that will benefit the offer system. Of course, the national and the European geographical proximity, the presence or lack of services, and the actual possibility of integrating them were put on the agenda as the synoptic table one shows.

The presence or lack of train stations, motorway exists, tourist ports, as well as the position of each municipality in the 5 miles radius among others were highlighted. Since these areas are an integral part of the local tourism offer, they have been strongly taken into consideration.

All the above were then qualitatively recoded as three main categories: the connectivity category, the continuity, and the outdoor categories. This grouping is not casual, and it reflects

a clear understanding of the local socioeconomic dynamics. The possibility of easily connecting one municipality with another, or more than one, is a key feature that assures a positive tourist reaction. The connectivity option logically includes the presence of a train station and/or a motorway exit. A characteristic of the province of Savona coast is that most municipalities are physically very close to each other. For this reason, the presence of two or more municipalities within a 5 miles radius was considered reasonably sufficient as a local cluster. Each cluster is theoretically a single unit of analysis considered as a continuous “tourism space”. The outdoor aspect concerns the much more heterogeneous areas that offer such activities as biking, riding, climbing, and camping besides the clearly beautiful landscaping, as well as being well interconnected to the European tourists (M., 58, male, AI). These are part of an integrated tourism industry, and the coastal tourism is not limited to only beach activities. The macro categories were shown as vertical items, while each municipality was indicated on the horizontal lines. The presence or absence of the above dimensions is included in the synoptic column, and each row represents each municipality.

Table twenty qualitative clusters, connectivity, continuity, outdoor activities

	connectivity		continuity	outdoor	
	train station	motorway exit	touristic port	5-mile-radius	surroundings
Alassio				Cluster one	
Albenga				Cluster one	Garlenda
Albisola				Cluster two	Sassello
Albissola				Cluster two	Sassello
Borghetto				Cluster three	
Finale					Melogno
Loano				Cluster three	
Noli				Cluster four	
Pietra				Cluster three	
Spotorno				Cluster four	
Toirano				Cluster three	Grotte
Tovo					
Varazze					Beigua

Source: literary review and qualitative interviews.

A MULTI-SCALE APPROACH

The possibility of connecting one or more municipalities was considered crucial for policy-making. The connectivity and outdoor issues present a heterogeneous distribution among the municipalities involved, except for the presence of a tourist port. Coastal municipalities with an available tourist port are few, while a train station or a motorway exit is present almost everywhere. The municipality's physical proximity was at the core of the discussion (Delphi table nr. two, 10/08/2020), and the 5-mile radius discriminant produced the four qualitative clusters.

The territorial continuity was therefore seen as the base for aggregating the tourist offers politically and strategically. This brought about the joining of the municipalities of Alassio and Albenga; the towns of Albisola and Albissola were merged, and Pietra, Loano, and Borghetto were also considered as part of a single cluster, while Spotorno and Noli formed the fourth cluster, as mentioned above.

TERRITORIAL CLUSTERS AND GOVERNANCE

The territorial continuity and the 5-mile radius were considered strategic in order to develop a model that might apply to the local tourist system. Based on the above 5-mile radius, four clusters were identified and will be analysed as follows. Cluster one includes Alassio and Albenga municipalities. While there is a train station in both, in Albenga there is a motorway access, and in Alassio there is a tourist port. That is to say that the connectivity issue might be mutually integrated and that tourists can find in a short radius, at least three ways to connect. In this instance, there is a train station, a motorway access, and a tourist port. In addition, the beautiful city of Garlenda, which is located close behind Albenga, is an integral part of this cluster. Although it is not given enough value, within the Albenga area, there is a fairly well-sized airport that can integrate with the Genoa and Nice airports in providing connections (L., 75, male, Sv).

Albissola and Albisola were clustered together since they are next to each other and within five mile-radius. Since there is a train station and a motorway in Albissola, the short distance might indicate that they have been considered as one unit only. Albissola and Albisola also share a well-established hand-crafted pottery production that is unique in Italy. Albissola and Albisola represent, in fact, a unique structure characterised by a homogeneous socio-economic milieu. The nearby town of Sassello, which is surrounded by nature and offers a variety of outdoor activities, might be considered part of this cluster, although it is located in a wider provincial area. The cultural imaginary has always included the town of Sassello as being part of the Albissola and Albisola areas, and they were considered as just one entity (M., 77, male, Ge).

Cluster number three is heterogeneous and includes the towns of Borghetto, Pietra, Loano

and Toirano. While Borghetto, Pietra, Loano are located along the shore, Toirano is further inland. Toirano is part of the already mentioned tourism roundtable and assumes a political value that will be further discussed. At the moment, within the cluster nr. three only the town of Pietra has a train station, while Borghetto, Loano, and Pietra all have motorway access. This way, the connectivity is well assured either by car or train. However, there are no tourist ports in the area. As previously mentioned, Borghetto, Pietra, and Loano are located on the shoreside, while Toirano is not. Toirano, however, is characterized by the presence of rocky cliffs that are frequented by national and European climbers and are characterized by high-quality climbing facilities. Natural caves are also an attraction. All the above make it possible to have beaches and other outdoor pastimes that allow tourists to have different options to enjoy during their stay.

Cluster four is the last one and includes the towns of Noli and Spotorno that are within the 5 miles radius. Noli is not large in terms of residents, nor is it large in terms of the urban area.

Spotorno is a bit larger than Noli as far as the number of residents and urban area, and there is a train station and a motorway that serve both towns. Yet certain beautiful panoramic walkways are present on the hills surrounding Noli and are located between Noli and the town of Finale. These panoramic paths could be integrated by enlarging the perspective of the town of Noli. For instance, the Finale municipality is not included in any of the clusters identified. However, it was stated that certain panoramic walkways connect the two towns of Finale and Noli. If this is valid, it would be justified to ask if it would make sense to connect the two towns and develop a cluster enlargement. Although controversial, in the town of Finale, there is a train station, a motorway, and a tourist port that provides a connectivity chain. The already mentioned panoramic walkways are not the only rocky hilly that are present. The beautiful Melogno pass, which connects the Riviera to the internal rural areas, is also part of the picture.

Based on the previous Delphi round tables, the two towns of Tovo and Varazze were not included in any of the above clusters. While Tovo is located east of Savona, Varazze is located on the west side, not far away from Genoa. In addition, Tovo is inland while Varazze is on the shore. The placement and the demographic structure of the two made it impossible to gather them in any manner (L., 75, male, Sv). Varazze is a mid-size town well-equipped with tourist services, and there is a train station, a motorway, and a tourist port. The economic background is also important, and the well-known mountain resort called the “Beigua” is nearby, and is considered an attraction for outdoor activities (Delphi table nr. one, 04/05/2024). On the other hand, Tovo is a small town located inland, where there is neither a train station nor a motorway. Its local authorities also participate in the Chamber of Commerce tourism roundtable, and the fact that it is nevertheless close to the beach makes tourism an important asset for them. Tourism, together with agriculture and the “slow tourism” (A., 64, male, Al) makes Tovo a town that deserves further investigation. Tovo is also close to Pietra, but due to its inland position, it was considered a singular entity.

The clusters selected during the roundtables created four main groups, but three towns were

analysed individually. The four clusters do not possess any evident peculiarity that makes them a unicum. Instead, the possibility of combining them in “groups of interest” could produce further perspectives. The macro area of connectivity had a role in considering how the presence of a train station, as a public way of transportation, would be of help to bring Europeans to the destination. The so-called “seasonal beach trains” (A., 64, male, AI) scheduled during the summer and that run from Torino and Milano to the coast, are an easy and cheap way to travel. These trains are also well connected to some of the main North European train destinations. Indeed, train connections are environmentally friendly, and the problem of a lack of car parking might be partially solved this way, with lower pollution emissions. However, the lack of public transportation connections that causes an overuse of private cars is still an issue. Also, outdoor activities available inland would represent a strength in the local system if they could be reached. The dichotomy between high and low season tourism can be overlapped by including in the offer those outdoor activities that are not influenced by the seasons and can be practiced at any time. These were described as being well preferred by the North European tourists mainly (M., 70, male, Ge).

The four clusters also showed the presence of subgroups of interest that will include a well-rounded tourist offer if they are perceived as mutually integrating. Part of this picture is the ability to integrate the means of transportation and the outdoor activities within a 5-mile radius. However, the clusters have been determined theoretically, and the possibility of transforming any suggestions into reality is an unavoidable option.

CONCLUSION

The municipalities involved with the Chamber of Commerce tourism roundtable are part of this investigation, and for each of them, data about the tourist facilities, tourist arrivals, and stays were collected. Since the pandemic has hurt this sector, I decided to underline the tourism local dynamics mainly during the period between 2018 and 2019. While the local tourism industry was seriously damaged by the pandemic, it is also clear that during the years 2022 and 2024, the situation improved considerably. The descriptive data and the indicators of Italian and European tourist arrivals and stays show that a stable trend is present because the average number of nights spent in the coastal Savona province accommodations did not vary that much. This data is encouraging since it indicates that the coastal Savona province municipalities remain a strong attraction to tourists, although the conjunctural pandemic did really influence the local system. Although the 2024 data are partially available, this information describes a positive trend. Arrivals and stays on the coast, although in different seasons, are described as well aligned with the pre-pandemic ones. Simply speaking, the local system has reacted well to the conjunctural pandemic crisis and has reacted to it efficiently.

On the other hand, data show that the hotel accommodation facilities were the ones that suffered the most from the lack of presence and shorter stays, while the non-hotel accommodation facilities show better results. Among them, the camping facilities obtained the best performance during the period observed. The much more informal tourist accommodation

and its flexible management allow them to better meet the tourist demand in the post pandemic. However, additional actions and adequate policies are urgently needed, indeed.

Why is the above analysis relevant to policymaking? While the analysis described a dramatic trend due to the pandemic, the municipalities investigated have retained their attraction to local and European tourists. Certain structural transformation is, however, required as, for example, the hotel facilities that need a functional management upgrading and the existing outdoor activities, which include the tourist internal areas, should be better integrated in the offer.

The municipalities that participate in the already mentioned tourist roundtable are, of course, politically independent from each other. However, the data suggest that it might be possible to crisscross the political boundaries in order to establish future profitable alliances. The clusters, as classified, join the municipalities based not just on the proximity criteria, but also on the connectivity criteria, and they suggest that a new type of resort is feasible. On the other hand, at present, there is no concrete sign of willingness to do so on the part of the municipalities involved. In fact, possible answers to the above question might be found in the additional desire that each municipality has in planning together new offers. However, the possibility to established future alliances as the above clusters suggest is only an option at hand.

It must be kept in mind that this grouping is not casual, and it reflects a clear understanding of the local socioeconomic dynamics, and the need to adapt the offer to a possible North European tourist behavioural demand should be taken into consideration in the short run. Understanding these dynamics requires the involvement of policymakers and stakeholders who need to adopt concrete strategies that include the public and the private tourist sectors, as it was mentioned during Delphi roundtables (Delphi table nr. one, 04/05/2023). This data showed that if a Northern model of tourist existed, it would be represented by the tourists that remains in each place for a short time but visit several destinations and do it in a very environmentally conscious manner by travelling light, using local sources, and being very active in outdoor activities mainly. The Italians, if compared, showed that they preferred loafing around and not being active in outdoor activities (A., 64, male, AI). If this Northern European tourist's model exists, it would seem to be well aligned with the above "circuit model", which implies that visitors stay in one place and move by circulating in surrounding areas. However, further data are still required to refine it in the future.

To conclude, in the research question section, several things were asked. However, these were very ambitious, and I was able to answer some of them only partially. While the flux data illustrates that a Northern tourist model might exist, what is needed is further research to determine the behavioural aspect of these Northern tourists, so adequate policies might be introduced. These policies do not refer to northern European tourists only, but include Italians to identify possible demands that have not been included in the agenda till now. This information covers three aspects concerning future planning, which are: 1. experience 2. emotivity, and 3. inspiration. These matters need to be investigated further with a sociopsychological perspective so that they will produce future scenarios. This option is still open to

future investigation, and a multi-scale governance approach that includes the possibility to overlap the individual municipal political responsibilities will also be considered strategic in coping with the complexity of current times.

BIBLIOGRAHY

- Bauman, Z. (2011). From pilgrim to tourist – or a short history of identity. In S. Hall, P. du Gay (Eds.) *From pilgrim to tourist – or a short history of identity*, New York: SAGE.
- Benevolo, C. (2014). Recenti tendenze in tema di internazionalizzazione del sistema economico ligure. *Electronic Journal of Management*, 12(1), 1-21.
- Celant A. (2007), *Global tourism and regional competitiveness*. Patron, Bologna.
- Corluka, G. (2019). *Tourism seasonality—an overview*. *Journal of Business Paradigms* 4(1), 21-43.
- Du Cros, H., McKercher, B. (2020). *Cultural Tourism*. London: Routledge.
- Lane, B. (1994). What is rural tourism?. *Journal of sustainable tourism* 2(1-2), 7-21.
- MacCannel, D. (2013). *The Tourist: A New Theory of the Leisure Class*. Los Angeles, University of California Press.
- Muratorio, M. (2010). *Daniel Hambrury, Città di Alassio*. Savona: Marco Sabatelli.
- Oppermann, M. (1999). Sex tourism. *Annals of Tourism Research* (26)2, 251-266.
- Tizzoni, E. (2021). Tourism will tear us apart : turismo e ambiente nell'Italia del boom attraverso un caso di studio nel Levante ligure. *Italia contemporanea*: 297, 3, 2021
- Urbain, J., D. (2000). *L'Idiot du voyage : Histoires de touristes*. Payot, Paris
- Warf, B., Arias, S. (2008). Introduction: the reinsertion of space in the humanities and social sciences. *The spatial turn*. London: Routledge, 17-26.
- Whelan, H. (1988). Nature tourism. *Environmental Conservation*, 15(2), 182-182

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- i The data provided in this research paper was discussed and validated during my stay at the DISFOR, University of Genoa.
 - ii Due to the limited number of studies available for the Province of Savona tourism industry, several Delphi round tables and brainstorming interviews have been conducted to fill the gap.
 - iii Quote as follows: Emanuele, 49 years old, male, Genoa (E., 49, male, Ge). The data was collected during the period 2019 – 2024, and was qualitatively and structurally confirmed in 2025.
 - iv Although written similarly, Albisola (one 's'), and Albissola (two 's') are different sites.
 - v Full data for conventional and non-conventional accommodation facilities for the years 2023 and 2024 are not available at this stage.
 - vi The 2024 data was available up to September 2024 only, and all the tables, including 2024, reflect this.

Using Visual Metaphors in Advertising Campaigns to Promote Sustainable Tourism: a Case Study of Livingstone Town, Zambia

Flackson Zimba¹, Godfrey Mwewa², and Francis Simui³

ABSTRACT

This study examines how visual metaphors in tourism advertising shape tourists' interpretation, emotional engagement, and sustainable behavioral intentions in Livingstone Town, Zambia. Despite the central role of visual communication in destination marketing, empirical evidence linking visual metaphors to sustainable tourism outcomes remains limited, particularly in emerging African destinations. Using a mixed-methods case study design, the research combined content analysis of 45 tourism advertisements, focus group discussions, in-depth interviews, and a survey of 200 tourists. Qualitative thematic analysis and quantitative regression analysis were triangulated to enhance rigor. Three dominant visual metaphor themes emerged: environmental stewardship, cultural continuity, and human–nature harmony. Environmental and cultural metaphors were most effective in communicating sustainability, generating stronger emotional engagement and significantly predicting sustainable tourism intentions. The study extends sustainable tourism communication literature by integrating conceptual metaphor theory and offers practical insights for destination marketers and policymakers in emerging destinations.

Keywords: Visual metaphors; sustainable tourism; conceptual metaphor theory; destination marketing; Livingstone Town; Zambia.

INTRODUCTION

Visual communication plays a central role in contemporary tourism advertising, shaping how destinations are imagined, interpreted, and evaluated by potential tourists (Stepchenkova & Mills, 2010; Tasci & Gartner, 2007). Destination marketing organizations increasingly rely on imagery to communicate not only destination attractiveness but also values such as

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environmental responsibility, cultural preservation, and sustainable development (Hjalager, 2010; Pike & Page, 2014). Despite this prominence, tourism and hospitality management research has largely treated visual advertising content as an aesthetic or branding device, rather than as a theoretically grounded mechanism through which sustainability meanings are cognitively and emotionally constructed.

Existing studies on sustainable tourism communication have primarily focused on policy frameworks, certification schemes, and informational messaging (Bramwell & Lane, 2011; Buckley, 2012). While these approaches assume rational information processing, sustainability represents an abstract and value-laden concept that is not easily conveyed through factual communication alone (Dolnicar, Crouch, & Long, 2008). Consequently, the mechanisms through which tourists interpret and internalize sustainability messages remain theoretically underdeveloped.

Conceptual metaphor theory (Lakoff & Johnson, 1980) offers a powerful yet underutilized framework for addressing this gap. The theory posits that individuals understand abstract concepts through concrete experiential metaphors. Although extensively applied in linguistics, psychology, and consumer research (Forceville, 2008; Phillips & McQuarrie, 2004), its systematic application to visual tourism advertising, particularly in relation to sustainable tourism behavior, remains limited.

Moreover, tourism advertising and sustainability research has been disproportionately concentrated in developed and mature destinations with strong governance structures (Sharpley, 2020). Emerging destinations particularly in Africa remain underrepresented, despite facing heightened environmental vulnerability and relying heavily on visual storytelling to communicate destination values to international audiences (Rogerson & Rogerson, 2019). This limits the contextual relevance and theoretical generalizability of existing models.

Against this background, this study investigates how visual metaphors in tourism advertising influence tourists' cognitive interpretation, emotional engagement, and sustainable behavioral intentions, using Livingstone Town, Zambia, as a case study. By integrating conceptual metaphor theory with sustainable tourism communication, the study addresses a clear theoretical, empirical, and contextual gap in tourism and hospitality management literature.

Background / Problem

Tourism has increasingly relied on visual communication to influence destination image, visitor engagement, and behavioral intentions (Stepchenkova & Mills, 2010; Pike & Page, 2014). Visual advertising is not merely an aesthetic tool; it serves as a cognitive and emotional medium through which abstract destination values, such as sustainability and cultural heritage, are conveyed (Gallarza, Saura, & García, 2002).

Despite the centrality of visual communication, most research focuses on developed

destinations and emphasizes either destination branding or image formation (Tasci & Gartner, 2007; Pan, MacLaurin, & Crotts, 2007). There is limited understanding of how visual content shapes tourists' sustainable behavior, particularly in emerging African destinations where institutional governance may be weak and textual sustainability messaging is less effective (Rogerson & Rogerson, 2019; Sharpley, 2020).

This creates a theoretical and practical gap: tourism studies have not adequately explained how visual metaphors in advertising operate cognitively and affectively to influence tourists' interpretation and behavior, nor have they addressed these mechanisms in under-researched African contexts.

Research Problem / Gap

The core research problem is that, while sustainability is a central concern in global tourism, existing literature provides insufficient theoretical and empirical understanding of how abstract sustainability concepts are communicated visually and how they influence tourist behavior (Dolnicar & Leisch, 2008; Bramwell & Lane, 2011). By addressing these gaps, the study contributes both theoretically (by extending conceptual metaphor theory) and empirically (through mixed-method analysis) to tourism and hospitality management literature.

Specifically, three critical gaps are identified: Theoretical Gap – Conceptual metaphor theory has largely been applied to linguistic and textual contexts (Lakoff & Johnson, 1980; Forceville, 2008). Its application to visual tourism advertising, particularly in relation to sustainable tourism behavior, remains underdeveloped. Empirical Gap – There is limited evidence demonstrating the link between visual metaphor exposure and sustainable behavioural intentions, especially using mixed-method designs that combine qualitative and quantitative measures. Contextual Gap – Most research has been conducted in developed destinations. Emerging African destinations, such as Livingstone Town, Zambia, have been largely overlooked despite being high-potential areas for sustainable tourism development (Novelli, 2016; Rogerson & Rogerson, 2019).

Aims and Objectives

To examine how visual metaphors in tourism advertising influence tourists' interpretation, emotional engagement, and sustainable behavioural intentions, with a focus on Livingstone Town, Zambia, in order to extend theoretical understanding of sustainable tourism communication.

There are also several noteworthy objectives. These objectives include identifying the dominant visual metaphor themes employed in tourism advertising for Livingstone Town. They also include assessing how tourists interpret and cognitively process these visual metaphors, examining the emotional responses elicited by visual metaphors and their influence on sustainable tourism behavioral intentions, and analyzing the role of visual metaphors as

governance-light mechanisms for promoting sustainable tourism in emerging destinations. To integrate findings within conceptual metaphor theory to extend sustainable tourism communication theory.

Significance / Justification

Tourism advertising is widely recognized as a strategic tool for influencing tourist perception, engagement, and behavior (Christou, Giannopoulos, & Simeli, 2025). However, most research focuses on destination image or branding, with limited attention to how advertising communicates sustainability values or encourages responsible tourist behavior. This is particularly critical in emerging destinations, such as Livingstone Town, Zambia, where formal sustainability governance is often limited and visual communication becomes a primary medium through which environmental and cultural norms are conveyed (Sharpley, 2020; Rogerson & Rogerson, 2019).

From a theoretical perspective, the study addresses three key gaps: Extension of Conceptual Metaphor Theory: While conceptual metaphor theory has been applied to textual and consumer advertising contexts, its application to visual tourism advertising for sustainable behaviour remains underexplored (Ahmed Kamel, 2024; Revealing the Metaphorical Code, 2024). This study demonstrates how metaphors embedded in visual tourism campaigns function as cognitive and affective mechanisms influencing behaviour. Cognition-Emotion-Behaviour Link in Sustainable Tourism: Prior sustainable tourism research often assumes that awareness alone leads to responsible behavior, ignoring the mediating role of emotional engagement. By investigating how visual metaphors enhance comprehension, evoke emotions, and influence behavioural intentions, the study contributes to a process-oriented understanding of sustainability communication. Contextual Inclusivity: Existing models are heavily based on Western or developed destinations. By focusing on Livingstone Town, Zambia, the study provides empirical insights from an under-researched African context, enhancing the global applicability of sustainable tourism communication theories.

From a practical standpoint, the study informs destination marketing organizations and policymakers by demonstrating that strategically designed visual metaphors can reinforce sustainability values, support community and environmental goals, and guide tourist behavior. In emerging destinations, where formal regulatory mechanisms may be limited, metaphorical visual messaging can serve as a “governance-light” tool, complementing policy and stakeholder efforts (Bramwell & Lane, 2011; Sharpley, 2020). In sum, the study is significant because it bridges theory and practice, addresses critical gaps in sustainable tourism communication, and provides actionable insights for marketers and policymakers in resource-constrained, emerging destinations.

Scope / Delimitations

The study focuses on Livingstone Town, Zambia, a gateway to Victoria Falls, chosen for its

high tourism potential and the under-researched nature of visual sustainability communication in emerging African destinations. The research scope includes: Population and Sample: Tourists visiting Livingstone Town, tourism advertisements produced for the destination, and key stakeholders in destination marketing. Conceptual Focus: The study examines visual metaphors in tourism advertising, analyzing how they influence tourists' cognitive processing, emotional engagement, and sustainable behavioral intentions. Methodological Boundaries: A mixed-methods approach is used, combining content analysis of advertisements, surveys of tourists, focus groups, and interviews to triangulate findings and ensure robustness. The study does not extend to other forms of media communication (e.g., textual campaigns, radio, or television) or other African destinations. However, the findings offer theoretical and practical insights that are transferable to similar emerging destinations, particularly in contexts where visual advertising is a primary communication tool. By clearly defining the scope, the study ensures focused theoretical development while maintaining practical relevance. It also delineates the boundaries of empirical investigation, thereby enhancing the rigor and reliability of conclusions.

Literature Review / Theoretical Positioning

Tourism advertising is a strategic tool for influencing tourist perceptions, engagement, and behavioral intentions. Visual communication, in particular, has emerged as a core mechanism for conveying destination values, including sustainability, heritage, and environmental responsibility (Christou, Giannopoulos, & Simeli, 2025). This section reviews literature on visual tourism advertising and sustainable behaviour from a global perspective, then focuses on African contexts, and finally narrows to Zambian studies, highlighting research gaps and theoretical implications.

Globally, tourism research emphasizes that visual imagery shapes destination image, intention to visit, and behavioral engagement (Stepchenkova & Li, 2014; Christou et al., 2025). Studies in Europe, North America, and Asia show that visuals are not merely aesthetic but also symbolically communicate destination values, influencing tourists' cognitive and emotional processing (Pike & Page, 2014; *Revealing the Metaphorical Code*, 2024).

Recent research highlights the role of visual metaphors in conveying abstract sustainability concepts, such as environmental stewardship or cultural heritage. For example, in European heritage tourism, metaphorical imagery has been shown to increase tourist engagement and intention to act responsibly (Beard, Henninger, & Venkatraman, 2024). Globally, visual metaphors are increasingly recognized as cognitive-affective-behavioral mechanisms, going beyond simple information dissemination to actively shape tourists' understanding and ethical behavior (Ahmed Kamel, 2024).

Despite these advances, most global studies are conducted in developed economies with high literacy, strong governance, and well-regulated tourism sectors. Consequently, findings may

not generalize to emerging destinations, where textual messaging may be less effective, and visuals carry greater weight in communicating sustainability norms.

Within Africa, tourism research on visual advertising is still emerging. Studies in countries like South Africa, Kenya, and Tanzania emphasize destination branding, image formation, and heritage tourism, but rarely focus on visual communication for sustainable tourism behavior (Rogerson & Rogerson, 2019; Novelli, 2016).

African destinations face unique challenges. For example, they face diverse linguistic and cultural audiences, requiring highly interpretable visuals, limited institutional governance and formal sustainability messaging, and reliance on informal marketing strategies, including social media and digital imagery, to influence tourist behavior (Sharpley, 2020). Recent African research suggests that metaphorically framed visuals can increase tourists' comprehension of sustainability values and promote pro-environmental behavior (Ahmed Kamel, 2024). However, empirical evidence remains scarce, particularly regarding the cognitive and affective mechanisms underlying tourist interpretation of visual metaphors in sustainable tourism campaigns.

In Zambia, particularly in tourism hubs like Livingstone, research on visual tourism advertising is minimal. Most studies focus on destination competitiveness, visitor satisfaction, and heritage tourism (Ng'andu, 2021; Chibwe, 2022), with little attention to the role of visual metaphors in communicating sustainability values. Given Zambia's emerging tourism infrastructure and the international appeal of attractions like Victoria Falls, visual advertising serves as a primary medium through which visitors interpret environmental and cultural expectations. There is no systematic evidence linking visual metaphors to tourist cognition, emotion, or sustainable behaviour in the Zambian context. This gap makes Zambia a critical case study for advancing sustainable tourism theory, as it represents an under-researched context where visual communication may function as a governance-light tool, shaping norms and behaviors in the absence of strong formal regulation.

Conceptual metaphor theory posits that abstract ideas are understood through concrete visual and experiential metaphors (Lakoff & Johnson, 1980; Ahmed Kamel, 2024). Applied to tourism, visual metaphors can translate abstract sustainability principles into cognitively and emotionally interpretable imagery, facilitating comprehension and motivating responsible behaviour. Recent studies (Beard et al., 2024; Revealing the Metaphorical Code, 2024) show that metaphorical visuals elicit stronger engagement, interpretation, and behavioral intention compared with literal imagery. Despite this, research in African and Zambian contexts is lacking, leaving theoretical models largely untested in emerging destinations where institutional enforcement is limited and visual communication carries heightened significance.

By integrating global, African, and Zambian perspectives, the study identifies three critical gaps. Namely the global-theoretical Gap most studies in developed destinations examine destination image or branding, not the mechanisms through which visual metaphors shape

cognition, emotion, and sustainable behavior. But, also the African-empirical gap, since evidence in Africa is limited; few studies investigate visual metaphor processing as a determinant of sustainable tourism behavior. Additionally, the Zambian-contextual Gap where Zambia is underrepresented, and no empirical studies explore how visual metaphors influence tourists' interpretation, emotional engagement, and behavioural intentions, particularly in emerging destinations. This study therefore positions itself to extend conceptual metaphor theory to sustainable tourism communication in an African context, examining cognitive, affective, and behavioural mechanisms, and offering insights for destination marketing and policy in emerging contexts.

In summary, the literature indicates the following gaps, the mechanism gap, the empirical gap, and the contextual gap. In terms of the mechanism gap, existing studies rarely explain how visual imagery, particularly metaphorical imagery, influences cognition, emotion, and behavior in tourism sustainability communication. In terms of the empirical gap, there is limited quantitative and mixed methods evidence linking visual metaphor exposure to sustainable behavioural intentions. Additionally, a contextual gap, since emerging African tourism contexts have been underrepresented in research on visual metaphor use and sustainable tourism communication. This study fills these gaps by integrating conceptual metaphor theory with sustainable tourism communication and empirically testing the cognitive, emotional, and behavioral effects of visual metaphors in tourism advertising, with specific focus on an under researched destination context.

METHODOLOGY

This chapter outlines the research design, population, sampling, data collection, and analysis methods used to examine the role of visual metaphors in tourism advertising for promoting sustainable tourism in Livingstone Town, Zambia. The methodological approach integrates qualitative and quantitative techniques to ensure triangulation, reliability, and theoretical contribution.

A convergent parallel mixed-methods design was adopted (Creswell & Creswell, 2018), combining qualitative and quantitative approaches. Qualitative methods included content analysis of 45 tourism advertisements, three focus group discussions (FGDs, $n = 24$ participants), and 10 in-depth interviews. Quantitative methods involved a survey of 200 tourists to measure interpretation, emotional engagement, and behavioral intentions. This design allows triangulation, enhancing validity and providing a comprehensive understanding of metaphorical communication in tourism advertising (Creswell & Plano Clark, 2018; Huertas Valdivia et al., 2021).

The study population consisted of domestic and international tourists visiting Livingstone Town during June–July 2025. There was a qualitative sample with 24 FGD participants and 10 interviewees, selected via purposive sampling to ensure diversity in age, nationality, and

tourism experience (Tongco, 2007). Additionally, there was a quantitative sample with 200 tourists, selected via stratified random sampling, ensuring representativeness across demographics and tourist types. Sample size aligns with recommendations for mixed-methods tourism research and is sufficient to detect meaningful patterns in both qualitative and quantitative analyses (Boddy, 2019; Kamel, 2024).

There are several ways that data were collected. For content analysis, 45 tourism advertisements were collected from official tourism channels, social media, and print media between 1–15 June 2025. Visual metaphors were identified and coded using thematic analysis guidelines (Braun & Clarke, 2022). In addition, there were focus group discussions (FDGs). Three FDGs, conducted 16–20 June 2025, each with 8 participants, explored tourist perceptions and emotional responses to metaphorical imagery. Discussions were audio-recorded and transcribed verbatim, with respondent codes and dates documented for transparency. Additionally, there were ten semi-structured interviews were conducted 16–25 June 2025. Respondents were asked to describe their interpretation of specific visual metaphors and reflect on potential behavioral intentions. Interviews were transcribed verbatim, coded, and linked to the corresponding advertisement images. A structured survey measured tourists' interpretation, emotional engagement, and behavioral intentions. Responses were recorded using 5-point Likert scales. Data were analyzed using descriptive statistics, correlation, and regression analyses in SPSS v28 (Field, 2025).

The qualitative data were analyzed. Thematic analysis identified recurring themes of visual metaphors (Braun & Clarke, 2022), aligned with conceptual metaphor theory (Lakoff & Johnson, 1980). FDGs and interviews were triangulated with content analysis to ensure consistency. Additionally, there was quantitative data analysis. Descriptive statistics summarized tourist interpretation and engagement scores. Regression analysis tested the relationship between metaphor comprehension and behavioral intentions, ensuring statistical rigor (Field, 2025). In terms of ethics, participation was voluntary, informed consent was obtained, and data were anonymized to protect privacy.

FINDINGS AND DISCUSSION

Theme 1: Environmental Stewardship Metaphors

The findings indicate that environmental stewardship metaphors used in tourism communication in Livingstone Town play a significant role in shaping tourists' cognitive understanding of conservation, emotional engagement with environmental issues, and behavioural intentions toward sustainable practices. Cognitively, respondents demonstrated increased awareness of the consequences of their actions on the natural environment. Visual metaphors portraying wildlife, clean rivers, and pristine landscapes helped tourists interpret conservation not as an abstract concept but as a practical responsibility connected to their personal conduct. One participant noted that images of elephants and rhinos accompanied by

messages such as “*Protect our heritage*” prompted reflection on how individual behaviour impacts conservation efforts (FGD 1, 14 March 2025). This suggests that metaphors function as cognitive framing devices that simplify complex environmental messages into relatable and memorable imagery.

Emotionally, environmental metaphors evoked strong affective responses, including feelings of empathy, responsibility, and even guilt, which appeared to motivate more environmentally conscious attitudes. Participants reported feeling emotionally moved by imagery of wildlife and natural landscapes, which fostered a personal sense of duty to protect these resources. For example, one interviewee expressed that seeing wildlife visuals made them *feel “moved and guilty,”* encouraging more responsible choices during their visit (Interview 5, 17 March 2025). This emotional engagement is critical, as it bridges the gap between awareness and action, supporting the notion that emotions mediate the relationship between knowledge and behaviour.

In terms of behavioural intentions, the metaphors were linked to tangible pro-environmental actions. Several participants reported engaging in environmentally responsible behaviours such as participating in river clean-up activities, choosing eco-friendly accommodation, and being more cautious about littering and resource use. These behavioural outcomes demonstrate that environmental stewardship metaphors do not merely inform tourists but also encourage practical engagement in sustainability initiatives. Overall, the findings suggest that environmental metaphors act as informal governance tools by subtly guiding tourist behaviour toward conservation-friendly practices in Livingstone Town.

Theme 2: Cultural Continuity Metaphors

Cultural continuity metaphors, particularly those depicting traditional dances, crafts, and heritage sites, were found to significantly influence tourists’ understanding and respect for local culture. Cognitively, these metaphors helped visitors interpret cultural practices as living traditions rather than tourist spectacles. Respondents reported that visual representations of traditional performances and craft-making enhanced their awareness of the importance of respecting local customs and supporting community livelihoods. For instance, one participant noted that seeing dancers in traditional attire reminded them to seek consent before taking photographs and to participate respectfully in cultural activities (FGD 2, 15 March 2025). This reflects how metaphors function as educational tools that communicate appropriate cultural behaviour without explicit instruction.

Emotionally, cultural metaphors elicited feelings of appreciation, honour, and curiosity about local traditions. Participants expressed a sense of privilege in witnessing cultural practices, which fostered a deeper emotional connection to the host community. This emotional resonance encouraged more thoughtful and respectful engagement with cultural spaces and activities. One interviewee stated that experiencing these visuals made them feel honoured and motivated them to learn more about the community’s traditions (Interview 1, 14 March

2025). Such emotional responses indicate that metaphors humanise local culture, making tourists more sensitive to the social and cultural impacts of their presence.

Behaviourally, cultural continuity metaphors influenced tourists to support local economies and adhere to cultural etiquette. Participants reported purchasing souvenirs directly from local artisans, participating in cultural workshops, and observing local norms during interactions. These actions suggest that visual metaphors contribute to responsible tourism by reinforcing ethical consumption and respectful participation in cultural experiences. The findings therefore highlight the role of cultural metaphors in promoting sustainable tourism that benefits host communities while preserving cultural heritage.

Theme 3: Human–Nature Harmony Metaphors

The theme of human–nature harmony emphasized the interconnectedness between tourists, local communities, and the natural environment. Cognitively, participants interpreted visuals of tourists engaging in environmentally friendly activities such as tree planting or staying on designated paths as indicators that tourism can be both enjoyable and environmentally responsible. These metaphors reframed tourism from a potentially extractive activity into one of mutual coexistence with nature. As one respondent explained, images of tourists planting trees helped them realize that their visit could contribute positively to environmental conservation (Interview 4, 16 March 2025). This demonstrates how metaphors shape tourists' understanding of their role within fragile ecosystems.

Emotionally, human–nature harmony metaphors evoked a sense of moral responsibility and interconnectedness. Participants expressed feelings of duty and reflection regarding their impact on wildlife and local communities. Such emotional engagement reinforced the idea that humans are part of nature rather than separate from it, encouraging more mindful behaviour. These emotional responses are important in sustaining long-term behavioural change, as they deepen personal commitment to ethical tourism practices.

In terms of behavioural intentions, participants reported adopting more careful and responsible behaviours during their visits, such as avoiding disturbance of wildlife, adhering to designated pathways, and participating in eco-tourism initiatives. The findings suggest that portraying harmonious interactions between humans and nature normalizes responsible tourist conduct and provides behavioural models for visitors to emulate. Consequently, these metaphors serve not only as awareness-raising tools but also as practical guides for sustainable tourist behaviour in Livingstone Town.

Overall Discussion

Across all three themes, the findings demonstrate that visual metaphors operate through a cognitive–emotional–behavioural pathway. Tourists first interpret the message cognitively, then develop emotional connections, which subsequently translate into responsible

behavioural intentions and actions. This reinforces broader literature that emphasizes the role of metaphor and visual communication in shaping pro-environmental and culturally sensitive behaviour. In the Zambian context, particularly in Livingstone Town, such metaphors function as subtle but powerful mechanisms of informal governance, guiding tourists toward sustainability without relying solely on formal regulations or enforcement.

Cross-Theme Insights

Environmental and cultural metaphors are the most effective in shaping behaviour because they emotionally engage individuals, thereby mediating the link between cognition and actual pro-environmental actions. This aligns with global evidence showing that metaphors enhance awareness and foster pro-environmental engagement (Beard et al., 2024; Ahmed Kamel, 2024), while also reinforcing emerging African findings particularly from South and East Africa that emphasize their role in promoting responsible tourist behaviour. In the Zambian context, especially in Livingstone Town, the findings demonstrate that visual metaphors function as informal governance tools that subtly guide and regulate sustainable tourism behaviour among visitors and stakeholders.

Survey Findings, Statistical Insights, and Cross-Theme Analysis

The survey component included 200 tourists who had been exposed to tourism advertising campaigns in Livingstone Town. Respondents comprised 54% male and 46% female, aged 18–65, with 68% international tourists and 32% domestic tourists. This demographic diversity ensured representation across nationalities, ages, and travel experiences.

Descriptive statistics

The descriptive statistics indicate that environmental stewardship metaphors were the most strongly interpreted and internalised by respondents across cognitive, emotional, and behavioural dimensions. A substantial majority of participants (82%) correctly interpreted the environmental messages conveyed through images of wildlife and natural landscapes, demonstrating a high level of cognitive understanding of conservation themes. Respondents recognised that visuals of rhinos, rivers, and other natural elements were intended to encourage the protection of wildlife and habitats, with one participant noting that such imagery urged tourists to take responsibility for conserving the environment (Survey Respondent 45, 17 March 2025). In addition to cognitive interpretation, 76% of respondents reported experiencing emotional engagement, describing feelings of motivation and responsibility toward environmental protection. These emotional responses translated into behavioural intentions, as 71% of participants indicated their willingness to adopt eco-friendly practices, including participating in guided eco-tours and choosing environmentally sustainable accommodation options.

Cultural continuity metaphors were also highly effective in shaping tourists' understanding,

emotional connection, and intended behaviour, although their impact was slightly lower than that of environmental metaphors. Approximately 75% of respondents demonstrated accurate cognitive interpretation of messages related to cultural preservation, indicating that images of traditional dances, crafts, and heritage practices successfully communicated the importance of respecting local customs and supporting community livelihoods. One respondent explained that visuals depicting traditional performances and crafts reminded them to respect local culture and support artisans (Survey Respondent 78, 17 March 2025). Emotionally, 70% of participants reported feelings of curiosity, pride, or a sense of connection to the local culture, suggesting that these metaphors fostered affective bonds between tourists and host communities. Behaviourally, 68% of respondents expressed intentions to attend cultural events, purchase locally made crafts, and engage responsibly in heritage-related experiences, reflecting the potential of cultural metaphors to promote culturally sensitive tourism practices.

Human–nature harmony metaphors demonstrated comparatively lower, though still meaningful, levels of influence across the three dimensions of analysis. About 70% of respondents correctly interpreted messages promoting responsible interaction with the natural environment, indicating that visuals of tourists engaging in activities such as walking on designated paths or planting trees were generally understood as calls for low-impact and environmentally responsible behaviour. One participant observed that such images helped them realise how simple actions, including staying on designated trails, could contribute positively to environmental protection (Survey Respondent 155, 18 March 2025). Emotional engagement was reported by 65% of respondents, who described feelings of calmness, reflection, and ethical responsibility when exposed to these metaphors. In terms of behavioural intention, 62% of participants indicated their willingness to take part in clean-up activities or low-impact tourism initiatives. Although these figures are lower than those recorded for environmental and cultural metaphors, they nonetheless demonstrate that human–nature harmony metaphors play a supportive role in encouraging responsible tourist behaviour.

Regression and Correlation Analysis

To assess the relationship between metaphor exposure and sustainable behaviour, regression analyses were conducted. Emotional engagement was tested as a mediator.

Predictor	β (Standardized)	p-value	Significance
Environmental metaphors	0.38	<0.01	Significant
Cultural metaphors	0.34	<0.05	Significant
Human–Nature Harmony metaphors	0.32	<0.05	Significant
Emotional engagement (mediator)	0.61	<0.01	Significant

Interpretation

Environmental metaphors emerged as the strongest predictors of sustainable tourist behaviour, with cultural continuity metaphors showing similarly high levels of influence, while human–nature harmony metaphors had a comparatively weaker effect. The findings further demonstrate that emotional engagement plays a central mediating role across all metaphor themes, confirming that cognitive understanding on its own is not sufficient to drive behavioural change. In other words, while tourists may intellectually understand messages about conservation and cultural respect, it is the emotional response triggered by these metaphors that translates such understanding into actual behavioural intentions. This supports the view that sustainability communication must move beyond information provision and deliberately engage affective dimensions to achieve meaningful impact on tourist conduct.

The correlation analysis provides empirical support for a cognition–emotion–behaviour pathway in explaining how visual metaphors influence sustainable tourism behaviour. A strong positive relationship was found between emotional engagement and sustainable behaviour ($r = 0.61$, $p < 0.01$), indicating that tourists who experienced stronger emotional reactions to visual metaphors were more likely to report intentions to behave responsibly. Similarly, cognitive interpretation was positively correlated with emotional engagement ($r = 0.54$, $p < 0.01$), suggesting that understanding the meaning embedded in metaphors enhances emotional involvement. The relationship between cognitive interpretation and sustainable behaviour, although slightly weaker ($r = 0.48$, $p < 0.01$), remained statistically significant, reinforcing the idea that cognition contributes to behaviour primarily through its influence on emotional responses. Collectively, these findings align with conceptual metaphor theory, which posits that metaphors shape perception and action by structuring how individuals cognitively and emotionally make sense of abstract concepts such as sustainability.

A cross-theme comparison further reveals that environmental metaphors were the most effective in influencing tourists' pro-environmental and responsible behaviours, followed by cultural continuity metaphors, with human–nature harmony metaphors having the least impact. Tourists exposed to environmental and cultural imagery reported higher intentions to engage in eco-friendly practices and culturally respectful conduct, such as following park rules, supporting local artisans, and adhering to cultural etiquette. Emotional engagement was consistently stronger for environmental and cultural themes, suggesting that visually grounded metaphors linked to concrete, familiar experiences such as wildlife conservation and cultural performances are more compelling than abstract representations of human–nature relationships. This pattern indicates that metaphors anchored in tangible realities resonate more strongly with tourists and are therefore more effective in shaping responsible behaviour. Verbatim survey responses further illustrate this trend, with participants noting that conservation imagery made them feel personally responsible for adhering to park rules, while depictions of local artisans and traditional dances encouraged them to support cultural preservation and reflect on their responsibilities as visitors.

Global → African → Zambian Insights

The findings of this study align with existing international literature, particularly studies conducted in Europe and Asia, which demonstrate that visual metaphors enhance tourists' understanding of sustainability concepts and strengthen their motivation to engage in responsible behaviour (Beard et al., 2024; Ahmed Kamel, 2024). These studies similarly report that visually framed messages simplify complex environmental ideas and make them more relatable to tourists, thereby increasing both awareness and willingness to act in environmentally responsible ways. The convergence between the present findings and global research suggests that the communicative power of visual metaphors transcends cultural and geographical boundaries, reinforcing their relevance as a universal tool for promoting sustainable tourism practices.

From an African perspective, the results corroborate the limited but growing body of evidence from countries such as South Africa and Kenya, which indicates that visual metaphors can positively influence responsible tourist behaviour, particularly in contexts where formal education initiatives and regulatory enforcement mechanisms are constrained (Sharp-ley, 2020; Rogerson & Rogerson, 2019). In such settings, visual communication serves as a practical and accessible means of guiding visitor behaviour, compensating for gaps in formal governance structures. The present study extends this regional evidence by providing empirical support from Zambia, thereby contributing to the relatively under-researched African tourism literature on communication strategies for sustainability.

Within the Zambian context, Livingstone Town emerges as a practical illustration of how visual metaphors can function as informal governance mechanisms in promoting sustainable tourism behaviour. The findings indicate that tourists rely on metaphorical cues embedded in visual communication to interpret environmental and cultural expectations, particularly in situations where explicit rules or enforcement may be limited. This highlights the significance of visual communication as a soft regulatory tool that shapes norms, guides conduct, and reinforces desirable behaviours without coercive enforcement. Consequently, visual metaphors play a complementary role alongside formal policies in fostering responsible tourism practices in destinations such as Livingstone.

Overall, the survey findings demonstrate that visual metaphors are effective in communicating abstract sustainability principles in ways that are cognitively accessible, emotionally engaging, and behaviourally influential. The results validate a clear interrelationship between cognition, emotion, and behaviour, with emotional engagement serving as a critical link between understanding and action. Furthermore, environmental and cultural metaphors were found to be more impactful than human–nature harmony metaphors, suggesting that concrete and culturally resonant imagery is more effective than abstract representations. Collectively, these findings reinforce conceptual metaphor theory and affirm its applicability within African tourism contexts, while also offering practical insights for designing more effective sustainability communication strategies in Zambia and similar destinations.

CONCLUSION, RECOMMENDATIONS, AND FUTURE RESEARCH

This study examined the influence of visual metaphors in tourism advertising on tourists' cognitive interpretation, emotional engagement, and sustainable behavior in Livingstone Town, Zambia. The research employed a mixed-methods approach, integrating content analysis of 45 advertisements, three focus groups (n = 24), 10 in-depth interviews, and a survey of 200 tourists. Findings highlight three dominant visual metaphor themes: environmental stewardship, cultural continuity, and human–nature harmony.

Effectiveness of Visual Metaphors: Environmental and cultural metaphors were found to be most effective in conveying sustainability messages. Tourists consistently demonstrated high levels of comprehension, emotional engagement, and positive behavioral intentions when exposed to these metaphors.

In terms of the cognition–emotion–behavior mechanism, the study confirms that emotional engagement mediates the relationship between visual metaphor exposure and sustainable behavior. Tourists not only understood the intended sustainability messages cognitively but also reported feelings of responsibility, pride, and ethical obligation, which influenced their behavioral intentions. In terms of contextual relevance, the research demonstrates that visual metaphors are particularly effective in emerging tourism destinations like Livingstone Town, where formal governance and sustainability education are limited. Metaphors acted as “informal governance tools”, guiding tourists toward responsible and culturally sensitive behavior.

Additionally, this study extends conceptual metaphor theory by providing empirical evidence of its application in visual tourism advertising. It demonstrates that abstract sustainability concepts can be translated into actionable understanding and behavior through thoughtfully designed metaphors. The research contributes to both tourism and hospitality management literature and sustainable marketing theory, particularly in the African context.

Recommendations

Based on the study's findings, several practical recommendations are proposed:

For Destination Marketers and Tourism Boards, this research suggests some recommendations. It suggests that marketers and tourism boards integrate environmental, cultural, and human–nature harmony metaphors in advertising campaigns to enhance engagement and promote sustainable behaviour. Use metaphors to highlight tangible sustainability actions, such as eco-friendly accommodations, guided nature tours, and cultural festivals, to strengthen tourists' understanding and commitment. Tailor visual metaphors to the cultural and environmental context of Livingstone Town, ensuring relevance and resonance with both domestic and international tourists.

For Tourism Operators, it suggests promoting responsible tourism practices by embedding

metaphorical messaging into guest experiences, brochures, and on-site signage. Collaborate with local communities and artisans to develop advertisements that reflect authentic cultural heritage, thereby encouraging tourists to engage ethically and support local livelihoods. For Policy Makers and Regulatory Agencies: Leverage visual metaphors as low-cost communication tools to complement formal sustainability education and regulatory efforts. It also suggests supporting campaigns that reinforce environmental protection and cultural preservation, particularly in areas with limited formal governance mechanisms. In addition, it suggests encouraging partnerships between government, private tourism operators, and NGOs to develop consistent messaging across platforms (print, digital, social media).

Future Research

Despite its contributions, this study has limitations that suggest areas for further research:

The study focused solely on Livingstone Town, limiting generalizability. Future research should examine other Zambian or African destinations to compare metaphor effectiveness across different environmental and cultural contexts. This study examined print and static digital advertisements. Future studies should explore video, social media, and interactive campaigns, which are increasingly influential in shaping tourist behaviour. There is an opportunity for future research to look into longitudinal analysis.

The current study measured behavioural intentions at a single point in time. Longitudinal research could examine whether exposure to visual metaphors results in sustained pro-environmental and culturally responsible behaviour over time.

Also, investigating how tourists from different cultural backgrounds interpret and respond to the same metaphors could provide insights into cultural sensitivity in sustainable tourism advertising. Finally, future studies could combine self-reported intentions with actual behavioural tracking (e.g., participation in eco-tours, purchases from local artisans) to validate the influence of visual metaphors on real-world actions.

Final Remarks

In summary, this research highlights the power of visual metaphors as tools for promoting sustainable tourism in emerging African destinations. By integrating conceptual metaphor theory with practical tourism marketing, the study demonstrates that well-designed visuals can:

Enhance cognitive comprehension of sustainability messages. Evoke emotional engagement, reinforcing pro-environmental and culturally responsible intentions. Serve as informal governance tools, guiding tourist behavior where formal mechanisms are limited. These findings have implications for tourism marketers, policymakers, and researchers, providing both theoretical advancement and actionable insights for sustainable tourism promotion in Zambia and beyond.

Conclusion

This study has demonstrated that visual metaphors in tourism advertising significantly influence tourist cognition, emotional engagement, and sustainable behavior in Livingstone Town, Zambia. The three dominant themes environmental stewardship, cultural continuity, and human–nature harmony serve as effective communication tools, translating abstract sustainability concepts into concrete understanding and responsible actions.

Key Findings and Verbatim Reflections:

Environmental Stewardship:

“Seeing the elephants made me reflect on my responsibility toward wildlife – I felt I had a role to play in conservation.” – Focus Group 1, 14 March 2025

Cultural Continuity:

“Watching the local dance in the ads reminded me to respect the community and support artisans.” – Survey Respondent 89, 17 March 2025

Human–Nature Harmony:

“The visuals of tourists planting trees gave me the idea that small actions can have a big impact.” – Interview 4, 16 March 2025

These reflections show that metaphors do not merely inform tourists cognitively; they evoke emotions that mediate behavioral intentions, confirming the cognition → emotion → behaviour pathway proposed by conceptual metaphor theory (Lakoff & Johnson, 1980).

From a global perspective, these findings support research highlighting the power of visual metaphors in sustainability marketing (Beard et al., 2024; Ahmed Kamel, 2024). Within African tourism contexts, this study fills a gap by empirically demonstrating metaphor effectiveness in emerging destinations where formal governance is limited (Sharpley, 2020). For Zambia, specifically Livingstone, the results show that visual metaphors function as informal governance tools, guiding tourists toward ethical and responsible behavior.

Conclusion and Theoretical Implications

This study set out to address a critical but underexplored question in tourism and hospitality management: how visual metaphors in tourism advertising function as cognitive and affective mechanisms for promoting sustainable tourism behavior, particularly in emerging destinations. Drawing on conceptual metaphor theory and sustainable tourism communication literature, the study provides robust empirical evidence from Livingstone Town, Zambia,

demonstrating that visual metaphors significantly shape tourists' interpretation, emotional engagement, and sustainable behavioural intentions.

The findings show that environmental stewardship and cultural continuity metaphors are especially effective in translating abstract sustainability principles into meaningful and emotionally resonant messages. These metaphors enhance tourists' comprehension of sustainability values, foster emotional attachment to the destination, and positively influence intentions to behave responsibly. Human nature harmony metaphors, while conceptually aligned with sustainability theory, exhibited weaker effects, suggesting the need for clearer visual articulation and contextual grounding. By employing a mixed-methods design, this study moves beyond descriptive analyses of destination imagery and empirically demonstrates how and why visual advertising influences sustainability-related tourist behavior. In doing so, it responds directly to calls for more theoretically grounded and behaviorally oriented tourism communication research (Bramwell et al., 2017; Sharpley, 2020).

7.2 Theoretical Contributions

This study makes several important contributions to tourism and hospitality management theory.

First, it extends conceptual metaphor theory into the domain of visual sustainable tourism communication. While prior applications of the theory have focused largely on language and textual discourse (Lakoff & Johnson, 1980; Forceville, 2008), this research empirically demonstrates that visual metaphors operate as powerful sense-making devices in tourism advertising. The findings confirm that metaphors enable tourists to cognitively structure and emotionally engage with abstract sustainability concepts, thereby advancing the theoretical application of metaphor theory within tourism studies.

Second, the study contributes to sustainable tourism theory by integrating cognitive, affective, and behavioral dimensions within a single analytical framework. Much of the existing literature assumes that sustainability awareness leads to responsible behavior; however, empirical evidence has consistently shown this relationship to be weak or inconsistent (Dolnicar & Leisch, 2008; Miller et al., 2015). This study advances theory by demonstrating that emotional engagement triggered through metaphorical imagery acts as a critical mediating mechanism between sustainability communication and behavioral intention.

Third, the study introduces the concept of visual metaphors as “governance-light” sustainability tools. In contexts where regulatory capacity, enforcement, and formal sustainability governance may be constrained, symbolic communication becomes an important mechanism for influencing tourist behavior (Bramwell & Lane, 2011; Sharpley, 2020). By theorizing visual metaphors as informal governance instruments, the study contributes to destination governance and sustainable tourism management literature.

Finally, by situating the research in Livingstone Town, Zambia, the study addresses the contextual and geographical bias in tourism theory development. Much of the dominant theoretical work in sustainable tourism has emerged from Western and developed destination contexts (Rogerson & Rogerson, 2019). This study demonstrates that theories of sustainability communication require contextual adaptation and that emerging African destinations provide fertile ground for advancing globally relevant tourism theory.

From a managerial perspective, the findings suggest that destination marketing organizations should move beyond generic scenic imagery and strategically employ metaphor-driven visual narratives aligned with sustainability objectives. Environmental and cultural metaphors should be deliberately designed to reinforce conservation ethics and respect for local heritage.

For policymakers and tourism authorities, visual metaphors can complement formal sustainability policies by shaping tourist norms and expectations. When aligned with local conservation strategies and community interests, metaphor-based communication can support sustainable destination management without relying solely on regulatory enforcement.

Research Despite its contributions, this study has limitations. The case study focus on a single destination limits generalizability, although it enhances contextual depth. Future research could conduct comparative studies across multiple destinations or regions to test the transferability of the findings. Experimental designs could also be employed to isolate the causal effects of specific metaphor types on tourist behaviour. Further research is encouraged to explore how visual metaphors interact with digital platforms, social media, and user-generated content, as well as how different cultural backgrounds influence metaphor interpretation.

REFERENCES

- Beard, C., McCaffrey, N., & Hunter Jones, P. (2024). Visual metaphor effectiveness in sustainable tourism advertising. *Journal of Sustainable Tourism*, 32(3), 465–487.
- Buckley, R. (2019). Sustainable tourism: Research and reality. *Annals of Tourism Research*, 78, 102736.
- Bwalya Umar, B., & Mubanga, K. H. (2018). Do locals benefit from being in the ‘tourist capital’? Views from Livingstone, Zambia. *Tourism and Hospitality Research*, 18(3), 333–345.
- Bwalya Umar, Z., & Mubanga, M. (2018). Community perceptions of tourism benefits in Livingstone, Zambia. *African Journal of Tourism and Hospitality*, 6(1), 45–62.
- Bwanga, C., & Kanyamuna, V. (2023). Challenges to Sustainable Tourism Marketing Operations in Zambia. *Advances in Social Sciences Research Journal*, 10(6), 31–41.

- Coles, T., Dinan, C., & Phillips, J. (2018). Tourism and sustainability: Development, globalisation and new tourism in the third world. *Tourism Geographies*, 20(3), 281–286.
- Dehay, E., & Landwehr, J. (2019). Visual advertising cues and consumer engagement. *Journal of Advertising*, 48(1), 60–76.
- Forceville, C. (2017). *Visual and multimodal metaphor in advertising*. Routledge.
- Gössling, S., Scott, D., & Hall, C. M. (2020). Pandemics, tourism and global change: A rapid assessment of COVID 19. *Journal of Sustainable Tourism*, 29(1), 1–20.
- Huertas Valdivia, I., Sequera, J., & García, Á. (2021). Destination marketing and sustainability communication in digital tourism advertising. *Tourism Management Perspectives*, 37, 100788.
- Journal of Hospitality and Tourism Management. (2024). Visual communication influences in marketing. *Journal of Hospitality and Tourism Management*, 64.
- Kabeta, C. S., & Chikwanda, T. (2023). Sustainable tourism and cultural heritage in Zambia. *Mulungushi University Multidisciplinary Journal*, 4(2).
- Kamel, S. (2024). Visual metaphors in sustainable tourism campaigns: Impacts on engagement and interpretation. *Tourism Marketing Journal*, 12(1), 78–101.
- Lakoff, G., & Johnson, M. (1980). *Metaphors we live by*. University of Chicago Press.
- Mwango, K. J. (2022). Marketing strategies and sustainable tourism: An assessment of the Zambia Tourism Agency. Master's thesis, University of Zambia.
- Pike, S., & Page, S. J. (2014). Destination marketing organizations and destination marketing: A narrative analysis of the literature. *Tourism Management*, 41, 202–227.
- Rahman, M., Smith, A., & Nguyen, T. (2021). Digital tourism advertising effectiveness and consumer interpretation. *Journal of Travel Research*, 60(5), 1029–1045.
- Silungwe, W., Mbewe, M., & Sinyani, A. (2020). Sustainable tourism growth and marketing in Zambia:
- Sweetser, K. D. (2018). Metaphor and visual messaging in digital media. *Journal of Advertising Research*, 58(4), 414–427.
- UNWTO. (2018). *Tourism for sustainable development*. United Nations World Tourism Organization.
- UNWTO. (2024). *International tourism highlights*. United Nations World Tourism Organization.

Importance-Performance Analysis of Hotel Assets According to Demographic Variables

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ABSTRACT

This research aims to reveal the expectations and satisfaction of hotel assets according to tourists' demographic variables through importance-performance analysis. Thus, the effects of hotel assets (physical facilities, common areas, services and personnel) on tourist satisfaction were measured using the scale developed by Kavacık and Kurar (2023). The importance and performance averages of hotel assets were distributed on the model developed by Martila and James (1977). As a result, it is indicated that while high income group and Scandinavians attach more importance to physical areas, tourists in Belek and Side destinations attach more importance to the services dimension, and different age groups attach more importance to employee behavior, businesses show low performance. Therefore, allocating resources to these areas is necessary for destinations. Almost all demographic variables attach low importance to common areas. Common areas and services are not areas to allocate resources primarily.

Keywords: Importance-performance analysis, hospitality, destination, customer satisfaction, IPA

INTRODUCTION

Although tourism is generally accepted as a leisure and recreational activity, it is defined more broadly as travel for health, business, sports, scientific congresses and meetings (Tuna, 2011: 2). The tourism and travel industry was expected to have another successful year all over the world, as it has been the most popular among the sectors in the last decade. However, as stated in the written and visual media regarding the tourism and travel sector, which has been negatively affected by the Covid-19 pandemic, a 30% loss of employment is expected worldwide, while the decrease in tourism employment is estimated at 37%. On the other hand, international tourism grew strongly in the first nine months of 2022, reaching 63% of pre-pandemic levels. According to the same report, an estimated 700 million tourists traveled

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internationally, more than double the number recorded in the same period of 2021 (+133%) (UNWTO, 2022: 3). Global tourism is predicted to reach 2019 levels in 2024.

Tourism establishments which have an important role in tourism businesses, attach great importance to the quality of the services they offer in order to increase guest satisfaction and to influence the intention to visit again. Thus, hotel establishments try to eliminate any deficiencies in service provision or expand their service provision areas (Tekin et. al., 2014: 752). However, there is still no precise, comprehensive data on the extent to which the Covid-19 outbreak and its derivatives (Omicron, delta, etc.), which are seen in almost every region of the world and are aimed to prevent its spread by taking various measures, may be effective on which sector.

In the reports shared for the coming years, it is estimated that the tourism sector will have a better chance of recovery after the pandemic, especially in destinations with a high number of businesses and employment (TURSAB, 2020: 6). In this context, the study contains the destinations of Kundu, Belek, Side and Alanya in the east of Antalya. These destinations also account for 70% of Antalya's bed capacity. The Antalya region has a total of 345,648 Ministry-certified bed capacity. Approximately 152,485 of these are located in five-star hotels operating in these four destinations.

In addition to personal characteristics such as education, age and occupation, the attractions of the destination are also decisive in tourists' choice of destination. Therefore, the factors that tourists care about during their travel experience directly affect their satisfaction. Understanding the level of satisfaction is a very important element in terms of gaining competitive advantage. This research aims to reveal the expectations and experiences of hotel assets according to tourists' demographic variables through importance-performance analysis. For this purpose, in the first part of the study, information about the assets owned by hotel businesses as a touristic product and importance-performance analysis are given. In the second part, the results of the importance-performance/satisfaction (IPA) according to the demographic variables of the four-dimensional and twenty-five-propositional scale of the assets of hotel businesses applied to tourists staying in five-star hotels in the east of Antalya are presented. In the last part of the study, the importance of the findings within the scope of tourism marketing and suggestions for the management of the destination are given. The collection of data after Covid-19 is considered important in terms of determining what kind of evaluations tourists make in their holiday choices.

Literature Review

Hotel Assets

Tourism is when a person uses their leisure time to travel or visit a different place (Page, 2011: 1). Touristic product is all kinds of touristic goods and services, experiences and experiences that tourists use from the moment they travel until they return (Timur, 2014: 52).

When choosing a destination, tourists attach importance to the natural resources, cultural heritage, infrastructure and superstructure facilities, and the quality of services provided. The level of satisfaction of tourists with these factors they attach importance to has an impact on their choice of the same destination again in the coming years (İpar and Doğan, 2013: 131). In this context, a destination is a place that motivates and attracts the tourist to travel outside of his/her place of residence and is ultimately the destination of his/her trip (Türkay, 2014: 2). However, the fact that tourists travel to destinations for various purposes makes it difficult to determine a typology of destinations. According to Yousaf et al. (2023: 2), these are accessibility, tourism enterprises, attractiveness, service quality, travel and holiday satisfaction, destination loyalty, perceived value, hotel assets and tourist personality.

Accessibility consists of transportation systems, terminals and means of transportation to the destination (Buhalis, 2000: 98). Tourism enterprises are businesses that meet the needs of tourists such as accommodation, transportation, food and beverage, entertainment and souvenir purchasing in the destinations they visit (Hacıoğlu and Avcıkurt, 2011: 6). Attractions are divided into place and event attractions that influence tourists to prefer one place over another. Place attraction is the push factors such as climate, sea, sun, natural wonders and architectural texture. Event attractions are important events such as sporting events, olympics, festivals, carnivals, fairs and congresses that trigger tourists to visit a destination (Timur, 2014: 56). The image of destinations and tourism enterprises over time is considered as a tourism product since it ranks high among the reasons why consumers prefer these destinations and enterprises (Kozak, 2014: 130). Since the subject of this research is the assets of hotel enterprises, information about five-star hotel enterprises among the components that make up the touristic product is given.

Hotels contribute to the production of total goods and services that express the material welfare of the country or society with the touristic product they offer. In addition to being an economic enterprise, the hotel also has a social characteristic with activities such as meetings, ceremonies and banquets. In addition, the hotel is a service business that meets both the material and spiritual needs of its customers (Usta, 2012: 44). Foris (2014: 26) categorizes hotels as touristic and non-touristic. Star system is considered for the classification. A five-star hotel contains the most superior features of the classification. The most important features that distinguish them from four and lower star hotels are the number of elevators suitable for the hotel capacity, satellite broadcasts in the rooms, open and closed garages at least 20% of the number of rooms, hairdresser service, 24-hour room service and tourism product sales stores. Hotel enterprises, which aim to meet the overnight stay needs of tourists, are both tourism products and infrastructure conditions for tourism development (Cong, 2016: 50).

Hotel enterprises include all the goods and services that customers first contact for overnight stays, fulfill the services needed, and are needed until the customers leave the hotel. For this reason, today's hotel enterprises meet the overnight stay and entertainment needs of their customers together (Cong and Dam, 2017: 350). In addition, hotel establishments and food and beverage establishments are the two most important touristic products in the selection of

a destination. Therefore, accommodation and food and beverage services increase customer satisfaction, revisit intention and likelihood of recommendation (Viet et al., 2020: 5).

The service process in hotel enterprises consists of the personnel, physical space, organizational structure and customers needed (Edvardsson and Olsson 1999: 402). The determinants of quality perceptions of hotel enterprises are the building and its design, decor, furnishings, human resources and intangible service elements, equipment and materials, front office and other hotel functions and services that affect the product offered by accommodation businesses (Akbaba, 2007: 213). Thus, hotels seeking to continue their activities in the current competitive environment aim to ensure customer satisfaction with service quality since they have similar luxury physical characteristics with the hotels around them (Mohsin ve Lockyer, 2010: 161). Therefore, a touristic product can be seen as a good or service consumed by tourists in a destination, as well as multiple combinations of these goods or services (Güler Gönenç, 2015: 149).

The physical areas of hotel businesses; rooms, food and beverage areas (restaurant, cafe, bar, etc.) hotel extra service areas (spa, fitness, indoor swimming pool) swimming pool, interior (lobby, stairs, elevator, etc.), exterior (garden, terrace, walkways, etc.), conference and meeting areas design, arrangement and equipment. Accordingly, Chu and Choi (2000: 363) found in their study that staff and room quality are the most important factors determining customer satisfaction in hotel businesses, while quality is the fulfillment of customer expectations. In this context, satisfaction is the satisfaction of the consumer or the extent to which a product fulfills a need (Bitner and Zeithaml, 2003: 533). In other words, tourist satisfaction is measured by the difference between pre-trip expectations and post-trip experience (Chen and Chen, 2010: 29). At the end of the vacation the tourist compares his expectations and experiences. If he/she has positive feelings about the trip, he/she is satisfied; if he/she has negative feelings, he/she is not satisfied (Cong, 2016: 50).

Satisfaction is a function of expectations and perceived performance. While tourists visit a destination for the first time relying on external information, repeat visitors' expectations are based on their previous experiences. In other words, they are tourists who are aware of the destination (Li et al., 2008: 279). Satisfaction positively influences revisit intention (Jang and Feng, 2007: Som ve Badarneh, 2011: 241). In this context, it can be said that revisit intention is an extension of satisfaction (Viet et al., 2020: 4). Chi and Qu (2008: 624), Cong (2016: 50) and Mai et al. (2019: 5447) reveal the impact of accommodation and food & beverage service on tourist satisfaction and tourist revisit in their studies.

Importance-Performance Analysis (IPA)

In the service sector, a customer's perception of service quality is the result of the comparison between expectations and experiences (Minanzi, 2009: 65). IPA is a two-dimensional matrix analysis based on the importance and performance of the organization based on the customer's perception of quality. The first is the importance customers attach to the product

or service; the second is the performance of that product or service (Martilla & James, 1977: 77-79). Businesses create customer satisfaction based on IPA results. Because IPA is a simple and effective tool for developing various strategies to achieve the highest level of customer satisfaction (Hu et al., 2009: 9969).

The advantages of IPA in terms of its application in almost every field are due to its low cost and easy implementation. Martilla and James (1977: 77-79) first applied it to develop an effective market strategy in vehicle maintenance service. In the following years, it has been used in many areas such as banking (Matzler et al., 2003), tourism (Zhang and Chow, 2004), automobile industry (Matzler et al., 2004), electronics industry (Levenburg and Magal, 2005), road passenger transportation (Huang et al., 2006), protection of parks and environments (Tonge and Moore, 2007), protection of information systems (Ainin and Hisham, 2008), service features of a religion-themed website (Rivera et al., 2009), website performance expectations (Uzunkaya, 2020) and determining cruise tourist satisfaction (Gaoping and Sheduxiu, 2021).

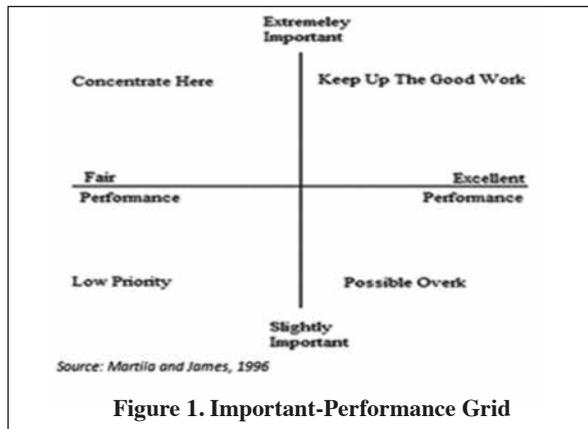


Figure 1. Important-Performance Grid

Keep Up The Good Work (high importance-high performance):

The customer considers the quality of the goods or services to be of high importance and the enterprise exhibits high performance (Hu et al., 2009: 9970). In other words, tourists consider the feature of the product in this area as important in their choice of goods or services. In addition, the performance of the good or service is also perceived as high (Albayrak and Caber, 2011: 629). The performance of the touristic product in this area is very high (İpar and Doğan, 2013: 136).

Concentrate Here (high importance-low performance): The customer cares highly about the quality of goods or services, but the organization demonstrates low performance (Hu et al., 2009: 9970). What managers need to do is to make an effort to increase the performance of the product features that fall into this area / Managers should strive to improve the performance of product features that fall into this area (Albayrak and Caber, 2011: 629). In other

words, tourists attach high importance to the features in this area. However, the performance expected from the features of the touristic product is at a low level. Therefore, the enterprise needs to improve itself in this area (İpar and Doğan, 2013: 137).

Possible Overkill (low importance-high performance): The enterprise's goods or service quality attribute shows high performance, but the customer shows low cognition of importance (Hu et al., 2009: 9970). In other words, while tourists perceive the performance of the characteristics of the touristic product in this area as high, they don't attach importance to these characteristics in the selection of goods or services. (Albayrak and Caber, 2011: 629). The performance of hotel assets is quite high (İpar and Doğan, 2013: 137).

Low Priority (Low importance-low performance): The goods or service quality characteristic of the enterprise performs poorly and the customer shows low awareness of importance (Hu et al., 2009: 9970). In other words, the product feature in this area is not considered important in customers' choice of goods or services, and its current performance is perceived as low (Albayrak and Caber, 2011: 629). In this respect, they are assets that are not paid attention and neglected by both tourists and hotel management (İpar and Doğan, 2013: 137).

Methodology

This research aims to reveal the expectations and experiences of hotel assets according to tourists' demographic variables through importance-performance/satisfaction analysis. For this purpose, the effects of employee behavior (personnel), physical areas, common areas and services of the hotels were measured. The study contains the destinations of Kundu, Belek, Side and Alanya, which are located in the east of Antalya and account for approximately 70% of the bed capacity of the Antalya. Antalya has a ministry-certified bed capacity of 345,648. Approximately 152,485 of these are located in five-star hotels operating in these four destinations.

According to Eskildsen and Kristensen (2006), in order to improve the quality of goods and services, it is necessary to make an evaluation on the questionnaire. For this reason, quantitative data research method was utilized in the research, which utilizes primary and secondary data, and a questionnaire was preferred as a data collection tool. The data of this study were collected through the Hotel Assets scale developed by Kavacık and Kurar (2023) as a touristic product. The first part of the questionnaire consists of eight demographic questions and the second part consists of 25 statements about the assets of the hotels.

The purpose of the research can be reached by answering the following question; "To what extent do the hotel businesses in the Eastern Antalya tourism region adopt guest satisfaction?" For a person who has been satisfied with previous touristic environments or touristic activities, the level of actual experience should be equal to or greater than the expected level (Rızaoğlu, 2012: 152). In this context, the perceptions of tourists staying in five-star hotels operating in the destinations of Kundu, Belek, Side and Alanya, located in the east of Antalya

regarding hotel assets were determined through Importance-Performance/Satisfaction Analysis (IPA). Answers will be sought for the following questions in line with the objective of this research.

Research Questions (RQ)

- RQ-1:** What is the demographic profile of the participants in IPA?
- RQ-2:** What is the Importance-Performance (IPA) Analysis for marital status?
- RQ-3:** What is the Importance-Performance (IPA) Analysis for gender?
- RQ-4:** What is the Importance-Performance (IPA) Analysis for different nationalities?
- RQ-5:** What is the Importance-Performance (IPA) Analysis for age?
- RQ-6:** What is the Importance-Performance (IPA) Analysis for different educations?
- RQ-7:** What is the Importance-Performance (IPA) Analysis for household income?
- RQ-8:** What is the Importance-Performance (IPA) Analysis for profession?
- RQ-9:** What is the Importance-Performance (IPA) Analysis for destinations?
- RQ-10:** What is the Importance-Performance (IPA) Analysis for items?

The hotel assets scale was designed to answer the Importance-Performance Analysis (IPA) questions. In the design of the IPA, two questions were asked: (1) How important are the hotel's assets to you? and (2) How do you feel about the performance of the hotel's assets? Regarding the hotel's assets, respondents were asked to answer on a scale from (1) not at all important to (5) very important. Regarding the performance of the hotel's assets, respondents were asked to answer on a scale from (1) not at all satisfied to (5) very satisfied.

In the translation stage of the scale used in the study, the path followed by Sousa and Rojjanasrirat (2011: 269) was applied. Accordingly, two different field experts for each language first translated the items. Then, the translations of these two independent translators were reviewed by a third expert and the translation was finalized. Thirdly, the translated items were examined by two different experts and the final version of the items was ready. In other words, the study was conducted by translating the scale used in the research from its original language (Turkish) into three different languages (English, German and Russian), and the translation-retranslation technique was used for the language adaptation of the scale and expert opinions were used for the content validity of the scale.

The construct validity of the hotel assets scale was examined with the CFA applied to the performance/satisfaction scale, and in order to determine the sampling adequacy before the confirmatory factor analysis; KMO: 0.938 and Barlett tests of the performance scale: 16524,579; $p=0,00<0,05$. As a result of the examination of the data set, normal distribution was accepted since the skewness and kurtosis values were between +1.5 and -1.5 (Tabachnick and Fidell, 2013: 53).



Figure 2. Study Area (Antalya District Map)

Figure 2 shows the regions where the research was conducted. The research was conducted in five-star hotels operating in these four destinations between August 15-30, 2023. Since the number of individuals (number of beds) in the target group is known, the formula $(n = Nt^2pq / d^2(N-1) + t^2pq)$ was used to calculate the sample size in the research (Baş, 2006: 42). In this formula; there are the number of individuals in the target group (N), the number of individuals to be sampled (n), the frequency of occurrence of the examined event (p), the frequency of non-occurrence of the examined event (q), the theoretical value (t) found according to the t table at a certain significance level, and the sampling error (d) accepted according to the frequency of occurrence of the event (Kavacık and Kurar, 2022: 66).

The research population was determined as 152,485 beds. When the sample size is calculated with a sampling error of 5% for 95% reliability interval ($\alpha = 0.05$), $p = 0.5$ and $q = 0.5$ and $t = 1.96$, the number 384 is obtained. It was thought that applying the questionnaires to a group above this number would be statistically adequate and that the findings to be obtained in statistical analyzes would give more reliable results. At least 200 questionnaires were distributed for each destination and more than 1000 questionnaires in total. Since 121 of the collected questionnaires were incomplete and incorrectly filled in, the research was conducted on a total of 833 questionnaires.

In addition, the formula $n(n+1)/2$ was used to calculate the sample for confirmatory factor analysis (Şimşek, 2007: 56). The n value in the formula is the number of questions in the Hotel assets scale. In this study, CFA was conducted over 25 questions. Accordingly, when the values are substituted in the formula, the number $25(25+1)/2=325$ is obtained. Therefore, it can be expressed that the sample size is sufficient for CFA.

Lisrel 8.8 was used for confirmatory factor analysis in order to measure the validity of the scale in the analysis of the data obtained. The SPSS 25 for Windows was applied for the percentage-frequency distribution of demographic data and IPA. The most important constraints of the research are time and cost factors.

Results

When segmenting the market, the most commonly used variables are age, gender and income (Mucuk, 2010: 106-107). In this section of the study, firstly, results related to demographic variables, CFA and IPA are presented.

RQ-1: What is the demographic profile of the participants in IPA?

With the first question of the research, the findings related to the demographic variables of the participants are included.

Table 1: Demographic Characteristics of The Respondents

Gender	f	%	Marital Status	f	%
Female	473	56,8	Single	272	67,3
Male	360	43,2	Married	561	32,7
Total	833	100,0	Total	833	100,0
Profession	f	%	Nationality	f	%
Officials	180	21,6	German	327	39,3
Self-employed person	255	30,6	English	58	7,0
Worker	128	15,4	Russian	288	34,6
Other	270	32,4	Scandinavian	160	19,2
Total	833	100,0	Total	833	100,0
Age group	f	%	Household income	f	%
18-30	239	28,7	Less than 1000 €	135	16,2
31-44	298	35,8	1000-2000 €	308	37,0
45-54	174	20,9	2001-3000 €	296	35,5
More than 54 years	122	14,6	More than 3001 €	94	11,3
Total	833	100,0	Total	833	100,0
Education status	f	%	Destination	f	%
Secondary school	217	26,1	Alanya	208	25,0
High school	160	19,2	Kundu	153	18,4
Graduate	209	25,1	Belek	204	24,5
Post graduate/Doctorate	247	29,7	Side	268	32,2
Total	833	100,0	Total	833	100,0

The demographic characteristics of the participants in the research are provided in Table 1. Accordingly, the majority of the participants are female (56,8%), single (67,3%), others (32,4%), German (39,3%), Side (32,2%), having an income of € 1000-2000 (37%), 31-44 years old (35,89%) and masters degrees (29,7%).

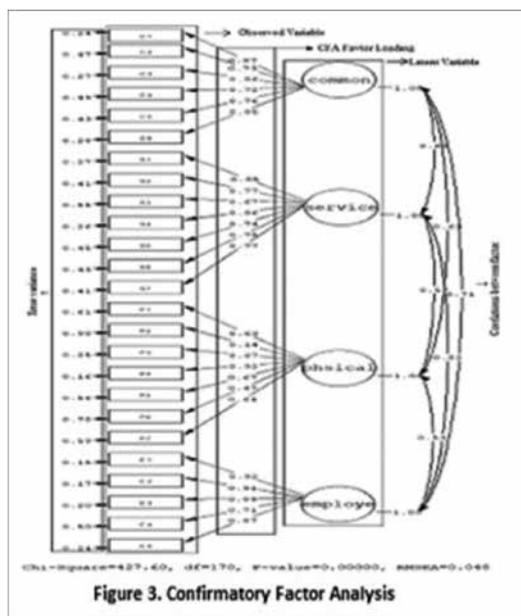
With CFA, the fit of a previously proven construct in a new data set is investigated (Orçan, 2018: 414). In other words, CFA is a validity determination method used in the adaptation of measurement tools developed in other cultures and samples. In order to determine whether the factor structure of the scale developed by Kavacık and Kurar (2023) is a valid model, confirmatory factor analysis was applied to the performance data.

Table 2: Hotel Assets Scale t-Value, Factor Loadings

Component	Items	Code	t-Value	Factor Loadings	AVE	CR
Common areas	C1	Spa & wellness services are offered in a professional manner.	31.12	0.87	0.64	0.91
	C2	Parking for visitors' vehicles is available and adequate.	23.98	0.73		
	C3	Areas for doing sports "Fitness Center etc." are sufficient.	30.30	0.86		
	C4	There are elevators suitable for the number of floors and capacity of the hotel.	23.33	0.72		
	C5	Playgrounds and entertainment facilities are sufficient.	25.13	0.76		
	C6	Guests are provided a variety of beauty and hairdressing services.	29.83	0.85		
Services	S1	Cleaning and maintenance of the areas are done regularly.	30.19	0.85	0.60	0.91
	S2	Transportation is provided quickly with comfortable vehicles..	25.85	0.77		
	S3	Cleanliness and care of the rooms are important.	21.31	0.67		
	S4	Requests and complaints are quickly resolved.	30.58	0.86		
	S5	Check-in procedures are realized on time.	24.38	0.74		
	S6	There are sports activities and various activities	25.06	0.75		

	S7	Room service is available twenty-four hours a day.				25.74	0.77		
Physical areas	P1	The beds are large, spacious and double comfortable.				19.51	0.63	0.44	0.82
	P2	The rooms are arranged in a grand manner and extremely comfortable.				3.98	0.14		
	P3	Food & Beverages are prepared in accordance with the presentation.				30.52	0.87		
	P4	The Restaurant & Bar is organized in accordance with the capacity of the hotel.				33.38	0.92		
	P5	The coastline is sufficient for hotel capacity.				21.02	0.67		
	P6	The number of souvenir and jewelry shops is sufficient.				13.72	0.47		
	P7	The swimming pool capacity is sufficient				19.89	0.64		
Employee behavior	E1	The staff is complementary and in harmony with each other.				34.57	0.92	0.74	0.93
	E2	The staff is extremely kind and helpful.				33.97	0.91		
	E3	The staff does their job with great seriousness				32.77	0.89		
	E4	The staff is clean and stylishly dressed, appropriate to the working environment.				23.07	0.71		
	E5	The staff has sufficient knowledge and skills.				31.40	0.87		
Measure	χ^2	χ^2/df	RMSEA	GFI	AGFI	RMR	CFI	SRMR	
Value	427,60	2,51	0,048	0,83	0,80	0,008	0,96	0,095	
Threshold	p=0,0	Acceptable	Good fit	Acceptable	Acceptable	Acceptable	Good fit	Acceptable	

In an appropriate measurement model, factor loadings are expected to be high, error variances low, and factor correlations less than 0.85. It is desirable that the DFA factor loads should not be less than 0.30. In this study, it can be said that factor loads other than the observed variable P2 were above 0.63 and that is very good (Çapık, 2014). Since the Chi-square value is affected very quickly by the sample size, the χ^2/df ratio, which is less affected by the sample, was used instead (Şimşek, 2007: 85).



Convergent validity was calculated by item reliability, construct reliability, and average variance explained. The composite/construct reliability of the structure is one of the main measurements used in measurement models, and values higher than 0.70 are generally acceptable. Another indicator of convergent validity is the average variance explained (AVE) calculation.

This value is expected to be equal to or higher than 0.50 (Fornell and Larcker, 1981: 46). AVE values were calculated and it was found that all dimensions except physical areas were above 0.50. t-values exceeding 1.96 are significant at the 0.05 level and exceeding 2.56 is significant at the 0.01 level (Şimşek, 2007: 85). Since all t-values of the CFA model of this research are significant, the model is acceptable.

Figure 3 shows the standardized CFA results for the Hotel Assets scale. Accordingly, it is determined that the factor loadings of the propositions are below 1.00. If the standardized parameter values are above 1.00, it means that there is a serious problem in the model (Şimşek, 2007: 85). It is concluded that the factor loadings obtained as a result of CFA are appropriate.

RQ-2: What is the Importance-Performance (IPA) Analysis for marital status?

Marital status is an effective factor in service providers' decision-making. Because married individuals have responsibilities towards themselves and their families, single individuals have different expectations compared to married individuals (Sadiq and Ishaq, 2014: 48).

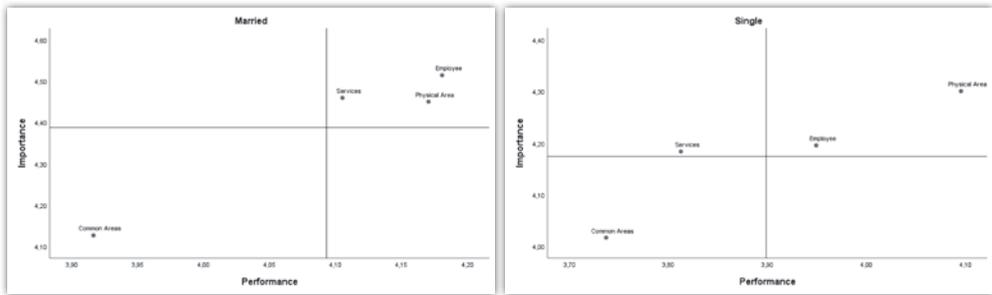


Figure 4: Importance-Performance Analysis in marital status

Married respondents attach high importance to employee behavior, services and physical areas, while singles attach high importance to employee behavior and physical areas. Hotel assets show high performance. Singles attach high importance to services. Hotel assets show low performance. Singles and married people attach low importance to common areas. Hotel assets show low performance.

RQ-3: What is the Importance-Performance (IPA) Analysis for gender?

Gender refers to the socially determined roles and responsibilities associated with being male or female. Therefore, women and men have different travel motivations when participating in tourism-related activities (Korkmaz et al., 2019: 35).

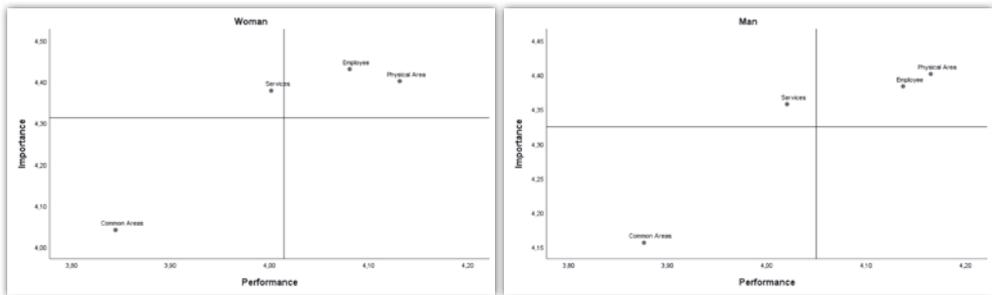


Figure 5: Importance-Performance Analysis in gender

Women and men place high importance on employee behavior and physical spaces. Hotel assets show high performance. Women and men attach high importance to services. Hotel assets show low performance. Women and men attach low importance to common areas. Hotel assets demonstrate low performance.

RQ-4: What is the Importance-Performance (IPA) Analysis for different nationalities?

Standard demographic characteristics such as age, income, occupation, gender, nationality

and ethnicity also influence our attitudes, beliefs and recollections, which in turn influence our perception of the travel and tourism event (Rızaoğlu, 2012: 103).

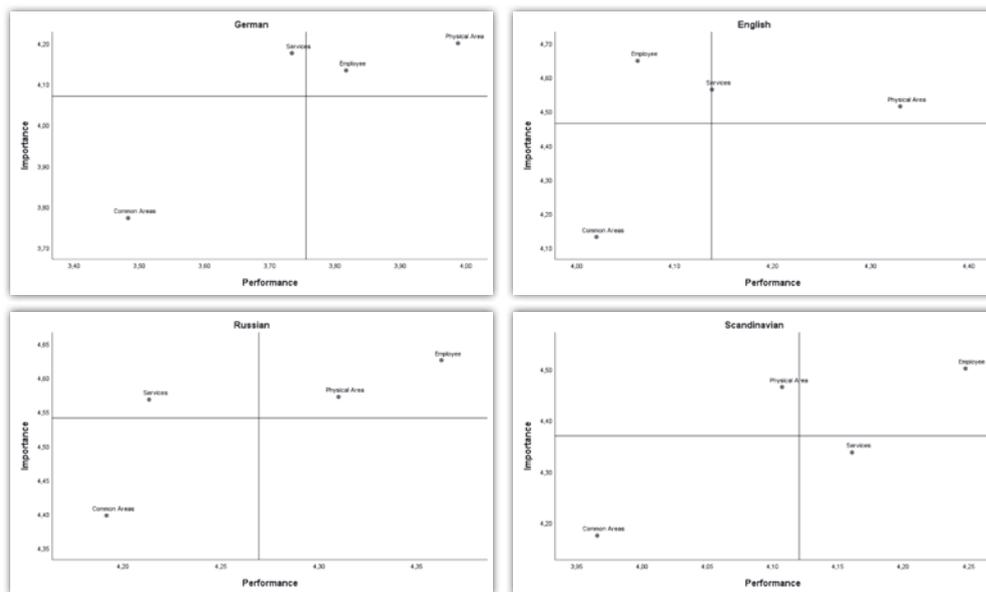


Figure 6: Importance-Performance Analysis in different nationalities

According to Germans, Russians and British, the importance given to employee behavior and physical spaces is quite high. Hotel assets perform at a high level. However, Scandinavians place high importance on employee behavior and hotel assets show high performance. British attach high importance to employee behavior, Scandinavians attach high importance to physical spaces, and Germans and Russians attach high importance to services. Hotel assets show low performance. Scandinavians attach low importance to services. Hotel assets show high performance. Germans, British, Russians and Scandinavians attach low importance to common areas. Hotel assets demonstrate low performance.

RQ-5: What is the Importance-Performance (IPA) Analysis for age?

Variables in the age group are an important factor affecting participation in tourism activities, as they influence a person's fitness and energy (Torkildsen, 1986: 86). People desire risk avoidance depending on their age (Sadiq and Ishaq, 2014: 48).

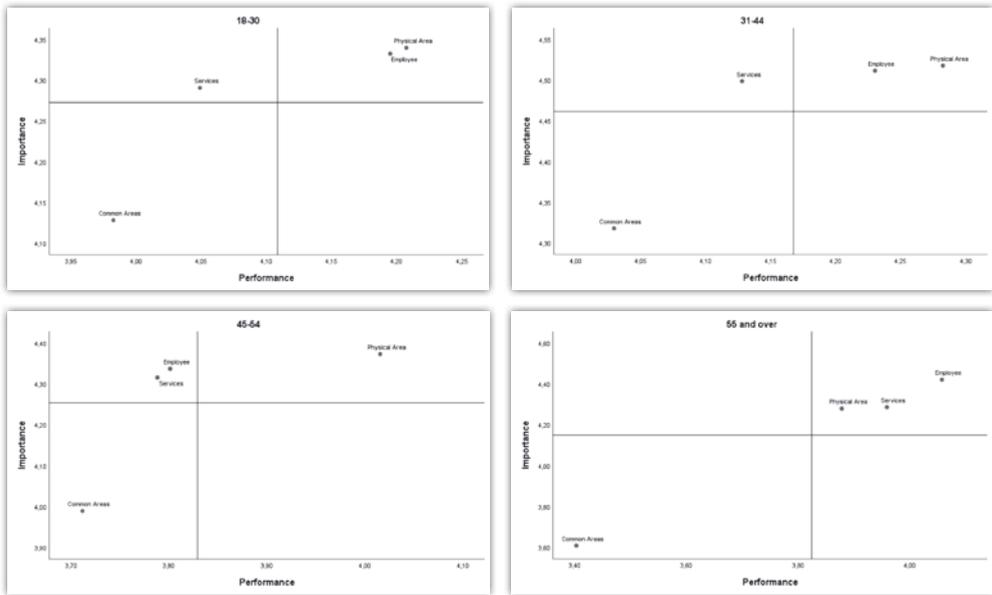
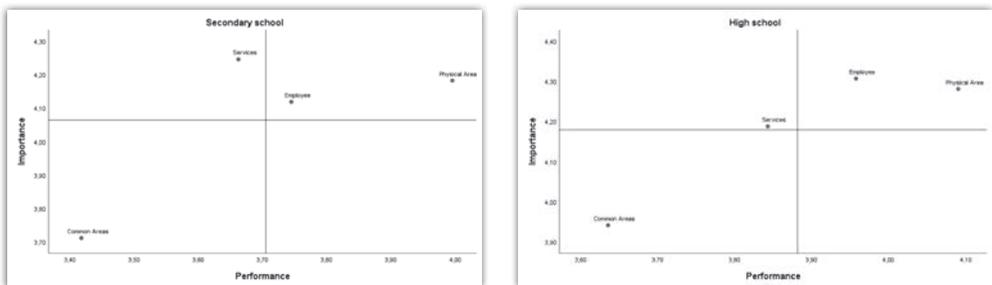


Figure 7: Importance - Performance Analysis in age

Those in the age group 45-54 attach high importance to physical areas, while those aged 65 and above attach high importance to employee behavior and physical areas. Hotel assets show high performance. Those in the 19-30 and 31-44 age groups attach high importance to services, employee behavior and physical areas, while those in the 45-54 age group attach high importance to employee behavior and services. Hotel assets show low performance. According to the age group 19-30, 31-44, 45-54, 65 and above, common areas are seen as low priority. Hotel assets show low performance.

RQ-6: What is the Importance-Performance (IPA) Analysis for different educations?

Another demographic variable that may affect perceptions of the quality of hotel assets is education. Because demographic variables such as education are taken as a basis by service providers in the formulation of strategic marketing plans (Ojekalu et. al, 2019: 419).



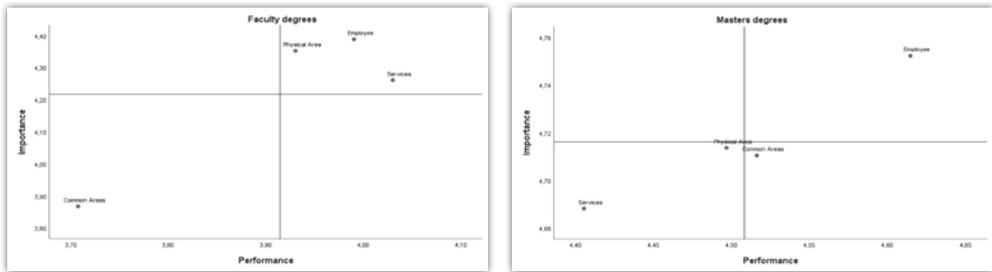


Figure 8. Importance - Performance Analysis in different educations

Secondary school graduates attach high importance to physical areas and services, high school graduates attach high importance to physical areas and employee behaviors, university graduates attach high importance to physical areas and employee behaviors, and post-graduates attach high importance to services. Hotel assets show high performance. Middle and high school graduates attach high importance to services. Hotel assets show low performance. Graduates with a postgraduate degree attach low importance to common areas. Hotel assets show high performance. Middle school, high school and university graduates attach low importance to common areas, while postgraduates attach low importance to physical areas and services. Hotel assets show low performance.

RQ-7: What is the Importance-Performance (IPA) Analysis for household income?

Income has a significant impact on the quantity and type of products that consumers can purchase. Therefore, by using the income variable, hospitality enterprises can segment the hospitality market into small and homogeneous market segments.

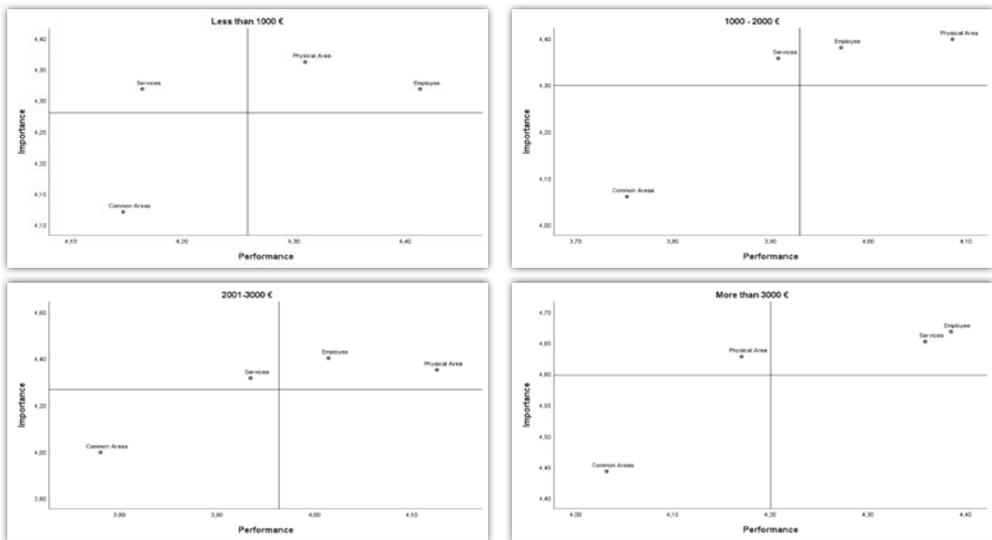


Figure 9. Importance - Performance Analysis in household income

Those with less than 1000 €, 1000-2000 €, 2001-3000 €, 3000 € and above attach high importance to employee behavior and services. Hotel assets show high performance. Those with less than 1000 €, 1000-2000 €, 2001-3000 € and 2001-3000 € attach high importance to services and those with 3000 € and above attach high importance to physical areas. Hotel assets show low performance. Those with less than 1000 €, 1000-2000 €, 2001-3000 € and 3000 € and above attach low importance to common areas. Hotel assets show low performance.

RQ-8: What is the Importance-Performance (IPA) Analysis for profession?

In terms of participation in tourism, different professions lead to different forms of vacation. Professions of people affect the products they will purchase. Due to differences in behavior between professions, accommodation companies divide the market of potential tourists into segments related to professions (Belber, 2007: 80).

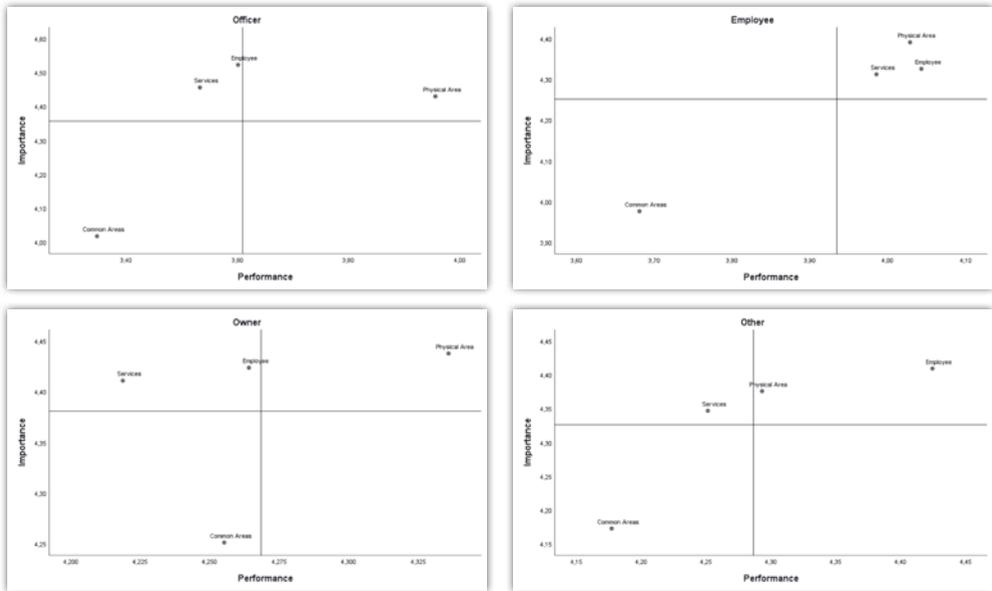


Figure 10. Importance - Performance Analysis in profession

Officers and owners attach high importance to physical spaces, employees attach high importance to physical spaces, employee behavior and services, and the other group (retired, unemployed, etc.) attach high importance to employee behavior and physical spaces. Hotel assets show high performance. Officers and owners attach high importance to employee behavior and services, while the other group (retired, unemployed, etc.) attach high importance to services. Hotel assets show low performance.

RQ-9: What is the Importance-Performance (IPA) Analysis for destinations?

A destination is a focus of facilities and services designed to meet the needs of tourists (Cooper et al., 1998: 102). Touristic product is all kinds of touristic goods, services, experiences and experiences that tourists use from the moment they travel until they return (Timur, 2014: 52). Therefore, socio-demographic variables are highly influential in the perception of the image of the destination, products and services.

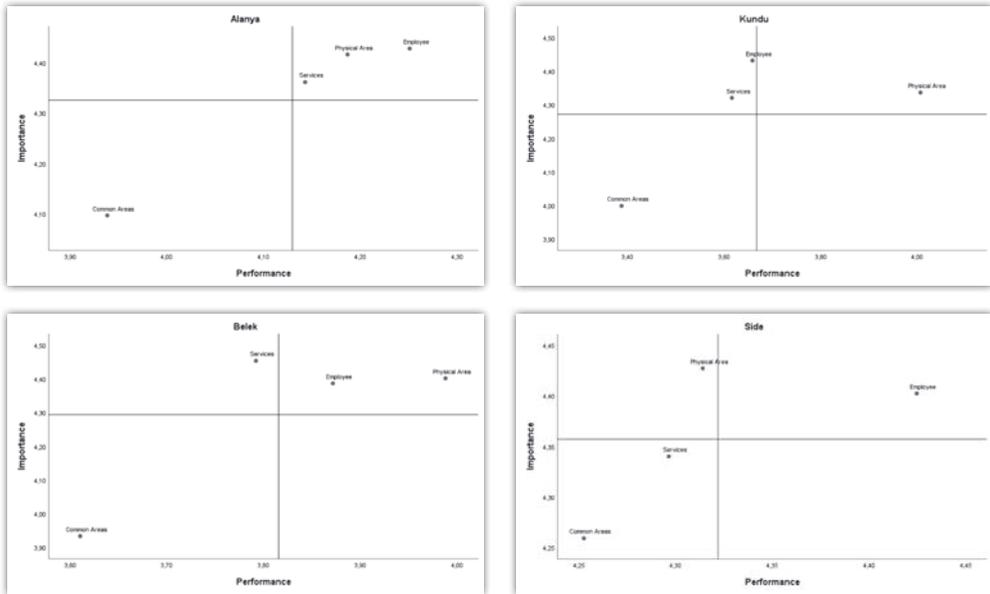


Figure 11. Importance-Performance Analysis in destinations

Tourists visiting Alanya destination attach high importance to services, physical areas and employee behaviors, while hotel assets show high performance. Tourists visiting Kundu destination attach a high level of importance to physical spaces, while hotel assets show high performance. Tourists visiting Belek destination attach high importance to physical areas and employee behaviors, while hotel assets show high performance. Tourists visiting Side destination attach high importance to employee behaviors and hotel assets show high performance.

Tourists visiting Belek destination attach high importance to services. Hotel assets show low performance. Tourists visiting Side destination attach high importance to physical areas. Hotel assets show low performance. Tourists visiting Alanya, Belek and Kundu attach low importance to common areas. Hotel assets show low performance. Tourists visiting Side attach low importance to both common areas and services. Hotel assets demonstrate low performance.

RQ-10: What is the Importance-Performance (IPA) Analysis for items?

Due to the high number of items in the hotel assets scale, the items constituting the hotel assets were subjected to importance-performance analysis in order to understand and interpret them in more detail. In addition, in order to determine the regions in which the items within the dimensions of the hotel assets scale are located and to determine which items within the dimension should be prioritized and focused on, and which items have low priority and possible extremes, the items belonging to each dimension of hotel assets were classified according to the section in the importance-performance matrix.

Table 3: Importance-Performance Grid with Attribute Ratings

Component	Attribute Number	Attribute Description	Mean of Importance Rating	Mean of Satisfaction Rating	Area
Common areas	C1	Spa & wellness services are offered in a professional manner.	4,17	3,89	3
	C2	Parking for visitors' vehicles is available and adequate.	3,81	3,68	3
	C3	Areas for doing sports "Fitness Center etc." are sufficient.	4,14	3,90	3
	C4	There are elevators suitable for the number of floors and capacity of the hotel.	4,06	3,92	3
	C5	Playgrounds and entertainment facilities are sufficient.	4,24	3,83	3
	C6	Guests are provided a variety of beauty and hairdressing services.	4,12	3,92	3
Services	S1	Cleaning and maintenance of the areas are done regularly.	4,37	4,02	2
	S2	Transportation is provided quickly with comfortable vehicles..	4,34	3,99	2
	S3	Cleanliness and care of the rooms are important.	4,42	4,18	1
	S4	Requests and complaints are quickly resolved.	4,40	4,01	2
	S5	Check-in procedures are realized on time.	4,43	3,92	2

	S6	There are sports activities and various activities	4,28	3,95	3
	S7	Room service is available twenty-four hours a day.	4,34	4,01	2
Physical areas	P1	The beds are large, spacious and double comfortable.	4,35	3,86	2
	P2	The rooms are arranged in a grand manner and extremely comfortable.	4,36	4,30	1
	P3	Food & Beverages are prepared in accordance with the presentation.	4,47	4,14	1
	P4	The Restaurant & Bar is organized in accordance with the capacity of the hotel.	4,47	4,14	1
	P5	The coastline is sufficient for hotel capacity.	4,26	4,05	4
	P6	The number of souvenir and jewelry shops is sufficient.	4,45	4,19	1
	P7	The swimming pool capacity is sufficient	4,45	4,01	2
Employee behavior	E1	The staff is complementary and in harmony with each other.	4,45	4,01	2
	E2	The staff is extremely kind and helpful.	4,46	4,14	1
	E3	The staff does their job with great seriousness	4,35	4,29	1
	E4	The staff is clean and stylishly dressed, appropriate to the working environment.	4,39	4,19	1
	E5	The staff has sufficient knowledge and skills.	4,40	4,23	1

In Table 3, the differences between the perceptions that tourists consider important before coming to hotel establishments and their satisfaction levels after their stay are observed.

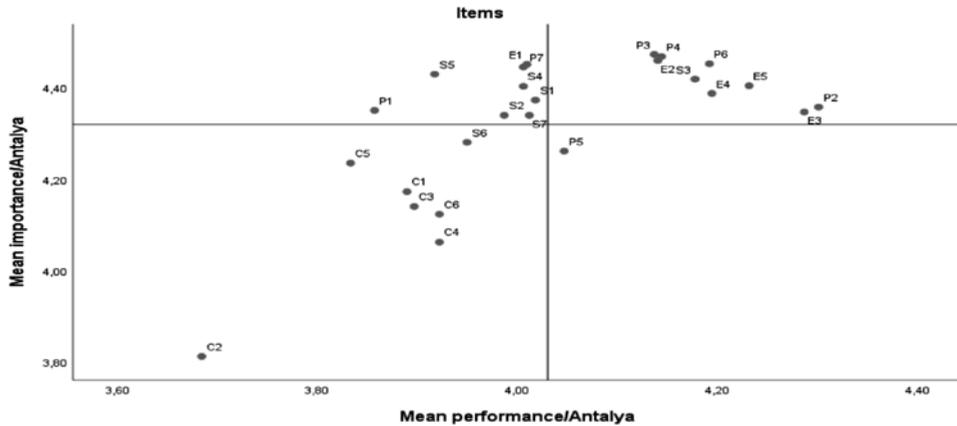


Figure 12. Importance-Performance Analysis for Attributes

Tourists attach high importance to P2, P3, P4, P6, E2, E3, E4, E5 and S3 features, while hotel enterprises perform at a high level. This area needs to be protected in order for hotel enterprises to compete.

Tourists attach high importance to S1, S2, S4, S5, S7, E1, P1 and P7 features. Hotel establishments, on the other hand, show low performance. This is the area where resources should be allocated primarily for tourist satisfaction.

Tourists attach low importance to C1, C2, C3, C4, C5, C6 and S6 features. Hotel enterprises show high performance. This area is not an area where resources should be allocated first. Finally, tourists see attribute P5 as a possible extreme.

Conclusion and Discussion

This study aims to reveal the expectations and experiences of hotel assets according to tourists' demographic variables through importance-performance analysis. Because demographic variables determine consumer expectations and subsequent behaviors (Tinne, 2012: 135). In other words, demographic variables such as age, gender and education of tourists are essential in the preparation of strategic marketing plans by service providers. Thus, it has benefits for enterprises such as communication, knowing demand, understanding problems, assessing progress and providing a strategic advantage over competitors. (Palm, 2016: 317).

Customer satisfaction is the pleasure or disappointment that results from comparing individual's expectations with the perceived performance of the product (Tiwari, 2012: 3). If the performance of a product or service is lower than expected, the customer will not be satisfied; if the performance meets expectations, the customer will be satisfied. If the performance

exceeds expectations, the customer will be very happy (Puspaningrum, 2018: 87-88). However, increasing customer consciousness is changing the performance expectations of customers every day (Uzunkaya, 2020: 91).

Keep Up The Good Work: Physical areas dimension has been determined as a feature that should be protected according to married, male-female, 45-54, 65 and over age groups, secondary school, high school and university graduates, employees, officers and owners. However, Germans, British and Russians consider physical areas as an important factor for satisfaction. At the same time, performance perceptions of visitors in the related dimension are also high. In order for Alanya, Kundu and Belek destinations to compete with other destinations, the performance of this dimension should be kept up.

Services dimension has been identified as the feature that should be sustained according to married, secondary school and postgraduate graduates, officers, officers, employees and all income groups in the research. At the same time, visitors' perceptions of performance in this dimension are also high. In order for Alanya destination to compete with other destinations, the performance of this dimension should be kept up.

Employee behavior dimension has been determined as a feature that should be continued according to married, male-female, 65 and over age group, high school and university graduates, workers and other occupational groups, and all income groups. However, Germans, British, Russians and Scandinavians consider employee behavior as an important factor for satisfaction. At the same time, performance perceptions of visitors in this dimension are also high. In order for Alanya, Side and Belek destinations to compete with other destinations, the performance of this dimension should be kept up.

Concentrate Here: Physical areas are in the area to be concentrated according to Scandinavians and the income group of 3000 € and above. Although the features in this area are perceived as important by visitors, the organization demonstrates low performance.

Services are in the area to be concentrated due to single, male-female, 19-30, 31-44 and 45-54 age groups, secondary and high school graduates, all income groups in the research, officers, employees and other profession groups. In addition, Germans and Russians attach high importance to the feature in this area. However, the organization shows low performance. In addition, Belek and Side destinations can't meet the expectations of visitors. Transferring resources to this area is necessary for destinations.

Employee behavior is in the area to be focused on according to 19-30, 31-44 and 45-54 age groups, officers and owners. In addition, the British attach high importance to the feature in this area. However, the organization shows low performance.

Possible Overkill: Common areas are included in the possible overkill area for tourists with a postgraduate degree. The perceived performance of the services dimension by Scandinavians is high, but its importance is low.

Low Priority: Common areas were ranked as low priorities for single and married, male and female, all income and age groups in the survey, middle school, high school and university graduates, Germans, British, Russians and Scandinavians.

Tourists visiting Alanya, Belek and Kundu attach low importance to common areas and have low perceptions of performance. Similarly, for tourists visiting Side, the importance they attach to both common areas and services is low, and their perceptions of performance are also low. As a result, common areas and services are not the first areas to be allocated resources.

In conclusion, hotels need to maintain the degree of satisfaction with their physical spaces. In other words, it can be said that tourists attach high importance to physical spaces and, specific to this study, the performance values of hotel enterprises in this area are high. The level of satisfaction with common areas is quite high. However, the dimensions of service and staff behavior were identified as the areas where hotels should primarily allocate resources. The findings related to the research questions revealed that despite the Covid-19 pandemic, hotels both care about customer satisfaction and show high performance.

REFERENCES

- Adan, Ö., (2011). Uluslararası Otel Sınıflandırması [*International Hotel Classification*]. Uluslararası Turizm İşletmeciliği, der. Pınar İ., 71-88, Nobel Yayınevi, Ankara.
- Ainin, S., & Hisham, N. H. (2008). Applying Importance-Performance Analysis to Information Systems: An Exploratory Case Study. *Journal of Information, Information Technology & Organizations*, (3), 95-103.
- Akbaba, A. (2007). Hizmet İşletmelerinde Hizmet Kalitesinin Ölçümüne Yönelik Yaklaşımlar. Hizmet Kalitesi, Kavramlar, Yaklaşımlar ve Uygulamalar [Approaches to Measuring Service Quality in Service Enterprises. Service Quality, Concepts, Approaches and Applications], ed. Ş. Gümüšoğlu, İ. Pınar, P. Akan ve A. Akbaba, ss, 314-329.
- Albayrak, T., & Caber, M. (2011). Önem-performans analizi: destinasyon yönetimine dair bir örnek. [Importance-Performance Analysis: A Sample About Destination Management]. *Ege Akademik Bakış Dergisi*, 4(11), 627-638.
- Baş, T. (2006). Anket [Survey]. Seçkin Yayıncılık, Ankara.
- Belber, B. G. (2007). Tatil Turizminde Turistlerin Konaklama İşletmesi Tercihine Kültürün Etkisi ve Konaklama İşletmeleri Üzerine Bir Uygulama. [The Impact of Culture on the Choice of Accomodation Facilities in Holiday Tourism: An Application]. Yayınlanmamış Doktora Tezi [Unpublished doctoral dissertation]. İnönü Üniversitesi Sosyal Bilimler Enstitüsü [Inonu University, Institute of Social Sciences], Malatya, Turkey.
- Buhalis, D. (2000). "Marketing the Competitive Destination of the Future", *Tourism Management*, 21, 97-116.

- Chen, C. F., & Chen, F. S. (2010). Experience quality, perceived value, satisfaction and behavioral intentions for heritage tourists. *Tourism management*, 31(1), 29-35.
- Chi, C. G-Q., & Qu, H. (2008). "Examining the Structural Relationships of Destination Image, Tourist Satisfaction and Destination Loyalty: An Integrated Approach", *Tourism Management*, 29, 624-636.
- Chu, R.K.S., & Choi, T. (2000). An importance-performance analysis of hotel selection factors in the Hong Kong hotel industry: A comparison of business and leisure travelers. *Tourism Management*, 21(4), 363-377, [https://doi.org/10.1016/S0261-5177\(99\)00070-9](https://doi.org/10.1016/S0261-5177(99)00070-9)
- Cong, L. C. (2016). A formative model of the relationship between destination quality, tourist satisfaction and intentional loyalty: An empirical test in Vietnam". *Journal of Hospitality and Tourism Management*, 26, 50-62. <https://doi.org/10.1016/j.jhtm.2015.12.002>
- Cong, L. C., & Dam, D. X. (2017). Factors affecting European tourists' satisfaction in Nha Trang city: Perceptions of destination quality. *International Journal of Tourism Cities*, 3/4, 350-362. <https://doi.org/10.1108/IJTC-04-2017-0022>
- Cooper, C., Fletcher, J., Gilbert, D. ve Wanhill S. (1998). The tourism destination. *Tourism principles and practice*, (Ed: Rebecca Shepherd), Prentice Hall, England.
- Edvardsson, B. ve Olsson, J. (1999). Key concepts for new service development, *Services marketing: A European perspective*, (Ed: Lovelock. C., Vandermerwe, S. & Lewis, B.), Prentice Hall Europe.
- Eres, Betül (2019). Turizm yapılarında HVAC sistemlerin ısı konfor ve iç hava kalitesi bakımından kullanıcı sağlığı ile ilişkisinin incelenmesi (Investigation of the relationship between HVAC systems and user health in terms of thermal comfort and indoor air quality in tourism buildings), Yüksek Lisans Tezi (Master's Thesis), Fatih Sultan Mehmet University, İstanbul.
- Eskildsen, J. K., & Kristensen, K. (2006). Enhancing importance-performance analysis, *International Journal of Productivity and Performance Management*, 55(1), 40-60,
- Foris, D. (2014). Comparative analysis of hotel classification and quality mark in hospitality. *Journal of Tourism and Hospitality Management*, 2/1, 26-39.
- Fornell, C. ve Larcker, D.F. (1981). Evaluating structural equation models with unobservable variables and measurement error, *Journal of Marketing Research*, 18 (1), 39- 50, <https://doi.org/10.1177/002224378101800104>
- Gaoping, Z., & Sheduxiu, W. (2021). *Research on cruise tourists satisfaction based on web text and IPA analysis: A case study of Royal Caribbean cruise*, In 2021 International Conference on Enterprise Management and Economic Development (ICEMED 2021) (pp. 439-443). Atlantis Press.
- Güler Gönenç, E. (2015). Turistik Ürün [Touristic Product], *Turizm Pazarlaması* (Ed: Bozkurt, M. & Şahin B.), Paradigma Akademi Publication, Çanakkale, (in Turkish).

- Hacıoğlu, N. ve Avcıkurt, C. (2011). *Turistik Ürün Çeşitlendirmesi [Touristic Product Diversification]*, Nobel Publication, Ankara, (in Turkish)
- Huang, W., Fityus, S., Bishop, D., Smith, D., & Sheng, D. (2006). Finite-element parametric study of the consolidation behavior of a trial embankment on soft clay, *International Journal of Geomechanics*, 6(5), 328-341, [https://doi.org/10.1061/\(ASCE\)1532-3641\(2006\)6:5\(328\)](https://doi.org/10.1061/(ASCE)1532-3641(2006)6:5(328))
- Hu, H. Y., Lee, Y. C., Yen, T. M., & Tsai, C. H. (2009). Using BPNN and DEMATEL to modify importance–performance analysis model–A study of the computer industry. *Expert Systems with Applications*, 36(6), 9969-9979, <https://doi.org/10.1016/j.eswa.2009.01.062>
- İpar, M. S., & Doğan, M. (2013). Destinasyonun turist açısından önem-memnuniyet modeli ile değerlendirilmesi: Edremit üzerine bir uygulama [Assesment of the destination in terms of tourism with iportance-satisfaction model: an implementation in Edremit]. *Adıyaman Üniversitesi Sosyal Bilimler Enstitüsü Dergisi*, (13), 129-154, <https://doi.org/10.14520/adyusbd.495>
- Jang, S. S., & Feng, R. (2007). Temporal destination revisit intention: The effects of novelty seeking and satisfaction. *Tourism Management*, 28(2), 580-590, <https://doi.org/10.1016/j.tourman.2006.04.024>
- Kavacık, M., & Kurar, İ. (2022). Innovation management practices and benefit of innovation management in the accomodation industry. *Five Zero*, 2(2), 60-81, <https://doi.org/1054486/fivezero.2022.16>
- Kavacık, M. & Kurar, İ. (2023). Turistik ürün, konaklama tipi memnuniyeti ve tekrar ziyaret niyeti arasındaki ilişki: Doğu Antalya bölgesi örneği [The relationship between touristic product, accommodation type satisfaction and revisit intention: the case of eastern Antalya]. *Pamukkale Üniversitesi Sosyal Bilimler Enstitüsü Dergisi*, (58), 277-303, <https://doi.org/10.30794/pausbed.1170254> .
- Kaya, D. S. (2017). Turizm Sektörü, *İş Bankası Raporu. [Tourism Sector, İşbank Report]*. https://ekonomi.isbank.com.tr/ContentManagement/Documents/sr201704_turizm.pdf, (25.08.2023).
- Korkmaz, M., Özkök, F., & Uluocak, Ş. (2019). Yerel halkın kadın turistlere yönelik bakış açısından toplumsal cinsiyet rolleri eşitliği ve yaşam değerleri bağlamında incelenmesi: Gökçeada örneği. [Investigating the perspective of local people towards women tourists in the context of gender roles equality and life]. *Journal of Life Economics*, 6(1), 35-60, <https://doi.org/10.15637/jlecon.6.004>
- Kozak, N. (2014). *Turizm Pazarlaması [Tourism Marketing]*, Detay Publishing, Ankara, (in Turkish).
- Li, X. R., Cheng, C. K., Kim, H., & Petrick, J. F. (2008). A systematic comparison of first-time and repeat visitors via a two-phase online survey. *Tourism Management*, 29/2, 278-293, <https://doi.org/10.1016/j.tourman.2007.03.010>

- Levenburg, N.M. & Magal, S.R. (2004). Applying importance performance analysis to evaluate e-business strategies among small firms, *E-service Journal*, 3(3), 29-48, <https://doi.org/10.2979/esj.2004.3.3.29>
- Mai, K. N., Nguyen, P. N. D., & Nguyen, P. T. M. (2019). International tourists' loyalty to Ho Chi Minh city destination mediation analysis of perceived service quality and perceived value, *Sustainability*, 11/19, 5447, <https://doi.org/10.3390/su11195447>
- Martilla, J. A., & James, J. C. (1977). Importance-performance analysis. *Journal of Marketing*, 41(1), 77-79, <https://doi.org/10.1177/002224297704100112>
- Matzler, K., Sauerwein, E., & Heischmidt, K. (2003). Importance-performance analysis revisited: the role of the factor structure of customer satisfaction. *The Service Industries Journal*, 23(2), 112-129, <https://doi.org/10.1080/02642060412331300912>
- Matzler, K., Bailom, F., Hinterhuber, H. H., Renzl, B., & Pichler, J. (2004). The asymmetric relationship between attribute-level performance and overall customer satisfaction: a reconsideration of the importance-performance analysis. *Industrial Marketing Management*, 33(4), 271-277, [https://doi.org/10.1016/S0019-8501\(03\)00055-5](https://doi.org/10.1016/S0019-8501(03)00055-5)
- Minazzi, R. (2010). Hotel classification systems: a comparison of international case studies. *Acta Universitatis Danubius. Œconomica*, 6(4), 64-86.
- Mohsin, A., Lockyer, T., (2010). Customer perceptions of service quality in luxury hotels in New Delhi, India: an exploratory study, *International Journal Of Contemporary Hospitality Management*, 22(2), 160-173, <https://doi.org/10.1108/09596111011018160>
- Mucuk, İ. (2010). *Pazarlama İlkeleri [Principles of marketing]*. Türkmen Kitapevi, İstanbul, (in Turkish)
- Nguyen Viet, B., Dang, H. P., & Nguyen, H. H. (2020). Revisit intention and satisfaction: The role of destination image, perceived risk, and cultural contact. *Cogent Business & Management*, 7/1, 1-20, <https://doi.org/10.1080/23311975.2020.1796249>
- Ojekalu, S. O., Ojo, O., Oladokun, T. T., & Olabisi, S. A. (2019). Effect of demographic characteristics on service quality perception: Evidence from occupiers of shopping complex in Ibadan, Nigeria. *Property Management*, 37(3), 418-431, <https://doi.org/10.1108/PM-07-2018-0040>
- Orçan, F. (2018). Açımlayıcı ve doğrulayıcı faktör analizi: İlk hangisi kullanılmalı [Exploratory and confirmatory factor analysis: Which should be used first?], *Eğitimde ve Psikolojide Ölçme ve Değerlendirme Dergisi*, 9(4), 413-421, <https://doi.org/10.21031/epod.394323>
- Page, J. S., (2011). *Tourist Management*. 4th ed., Elsevier, Oxford.
- Palm, P. (2016). Measuring customer satisfaction: A study of the Swedish real estate industry, *Property Management*, 34(4), 316-331, <https://doi.org/10.1108/PM-08-2015-0041>

- Puspaningrum, A. (2018). Hypermarket customer loyalty: Product attributes and image mediated by value and customer satisfaction. *Journal of Business and Retail Management Research*, 13(2): 84-97, <https://doi.org/10.24052/JBRMR/V13IS02/ART-08>
- Rızaođlu, B. (2012). *Turizm Davranıřı [Tourism Behavior]*. Detay Publishing, Ankara, (in Turkish).
- Rivera, M. A., Shani, A., & Severt, D. (2009). Perceptions of service attributes in a religious theme site: an importance–satisfaction analysis. *Journal of Heritage Tourism*, 4(3), 227-243, <https://doi.org/10.1080/17438730902822939>
- Sadiq, M. N. (2014). The effect of demographic factors on the behaviour of investors during the choice of investments: evidence from Twin Cities of Pakistan. *Global Journal of Management and Business Research*, 14(3), 47-56.
- Sipahi, S., & Yalçın, İ. C. (2020). Otel Yapılarında Konaklama Tipleri, Yıldız Sistemi ve Sürdürülebilirlik [Accommodation types, star system and sustainability in hotel buildings]. *Journal of International Social Research*, 13(75).
- Som, A. & Badarneh, M. 2011. Tourist satisfaction and repeat visitation: toward a new comprehensive model, *International Journal of Human and Social Sciences*, 6/1, 38-45.
- Sousa, V. D., & Rojjanasrirat, W. (2011). Translation, adaptation and validation of instruments or scales for use in cross-cultural health care research: a clear and user-friendly guideline. *Journal of Evaluation in Clinical Practice*, 17(2), 268-274, <https://doi.org/10.1111/j.1365-2753.2010.01434.x>
- Şehribanođlu S. & Van M. (2018). 2016 Yılında Dünya ve Türkiye’de Ekonomik Açıdan Bir Bakıř [An economic overview of tourism in the world and Turkey after 2016]. *Journal of Social And Humanities Sciences Research (JSHSR)*, 5/23, 1130-1139, <https://doi.org/10.26450/jshsr.465>
- Şimşek, Ö. F. (2007). *Yapısal Eřitlik Modellemesine Giriř, Temel ilkeler ve LISREL Uygulamaları [Introduction to structural equation modeling, basic principles and LISREL applications]*. Ekinoks, Ankara, (in Turkish)
- Tabachnick, B. G. & Fidell, L. S. (2013). *Using multivariate statistics*. (Sixth Edition). United States: Pearson Education, 1018.
- Tekin, Ö. A., Kalkan, G. & Duman, H. (2014). Hizmet kalitesinin önem-performans analizi ile ölçülmesi: Üniversite sosyal tesislerinin konaklama üniteleri üzerinde bir uygulama [Measurement of service quality with importance-performance analysis: an application on accommodation units of university leisure centres]. *Journal of International Social Research*, 7(31): 751-770.
- Timur, A. (Ed.) (2014). *Turistik Ürün Politikası [Touristic Product Policy]*, Detay Publishing, Ankara.

- Tinne, W. S. (2012). Factors affecting selection of upscale restaurants in Dhaka City. *ASA University Review*, 6(1), 127-138.
- Tiwari, P. (2012). An exploratory study of customer satisfaction of TATA-walky. *Pranjana*, 15(2): 1-10.
- Tonge, J., & Moore, S. A. (2007). Importance-satisfaction analysis for marine-park hinterlands: A Western Australian case study. *Tourism Management*, 28(3), 768-776, <https://doi.org/10.1016/j.tourman.2006.05.007>
- Torkildsen, G. (1986). *Leisure and Recreation Management*. E. & F. N. Spon, London.
- Tuna, M. (2011). Social and environmental impacts of tourism development in Turkey. In *Sustainability of tourism: cultural and environmental perspectives*. United Kingdom: Cambridge Scholars Publishing In Association With Gse Research.
- Türkay, O. (2014). *Destinasyon Yönetimi: Yönetim Bilim Bakış Açısıyla İşlevler, Yaklaşımlar ve Araçlar [Destination Management: Functions, Approaches and Tools from a Management Science Perspective]*, Detay Publishing, Ankara, (in Turkish)
- TURSAB (2020). *Covid-19 sürecinde Türkiye ve dünya turizm değerlendirmesi [Evaluation of Turkey and world tourism during Covid-19 process]*, <https://tursab.org.tr/apps/Files/Content/6ad52b35-1dd2-41c2-9f1c-c24cc19e7a63.pdf>. (30.08.2022).
- Usta, Ö. (2012). *Turizm ve Yapısal Yaklaşım [Tourism and Structural Approach]*, Detay Publishing, Ankara, (in Turkish).
- Uzunkaya, T. (2020). Relationship between the customer expectations from websites' performance and e-wom: A study on sport shoes brands. *Research journal of business and management*, 7(2), 80-94, <https://doi.org/10.17261/Pressacademia.2020.1201>
- Zhang, H. Q., & Chow, I. (2004). Application of importance-performance model in tour guides' performance: evidence from mainland Chinese outbound visitors in Hong Kong. *Tourism Management*, 25(1), 81-91, [https://doi.org/10.1016/S0261-5177\(03\)00064-5](https://doi.org/10.1016/S0261-5177(03)00064-5)
- Yousaf, I., Abrar, A., & Goodell, J. W. (2023). Connectedness between travel & tourism tokens, tourism equity, and other assets. *Finance Research Letters*, 53, 103595, <https://doi.org/10.1016/j.frl.2022.103595>
- World Tourism Organization (UNWTO). (2022). World Tourism Barometer. (20) 6, 1-6. https://webunwto.s3.eu-west-1.amazonaws.com/s3fs-public/2022-11/UNWTO_Barom22_06_November_EXCERPT.pdf?VersionId=kNOL3rNMSaYFz0XizmRo0EU8x3cVZpOk, Accessed 10 August 2023.
- Zeithaml, V.A. & Bitner, M.J. (2003) *Services Marketing: Integrating Customer Focus across the Firm*. 3rd Edition, Irwin McGraw-Hill, New York.

Determinants of Customer Trust and Behavioral Intentions During Crises: Evidence from the Foodservice Industry

Chrysa Agapitou¹, Dimitris Folinis², Xenia Garipogli³

ABSTRACT

This study examines crisis management in catering companies, focusing on how customer perceptions and behavioral responses are shaped during disruptive events. Its objective is to identify the key factors that influence customer trust and behavior in response to crisis management strategies in foodservice businesses. Based on an empirical investigation in Greece, the study explores how crisis-related elements, such as crisis management planning, ISO certification, and financial preparedness, affect customer trust, revisit intention, and attitudinal change. Drawing on theories of organizational behavior, communication, and consumer psychology, multiple linear regression is used to analyze the relationships among trust, crisis-time experience, and post-crisis behavior. The findings show that structured preparedness and standardized practices significantly strengthen customer trust and encourage loyalty. The results underline the importance of proactive planning, institutional credibility, and consistent operational practices in building resilience. The study concludes with strategic recommendations to help foodservice operators reinforce trust-based relationships and maintain stability in uncertain environments.

Keywords: Crisis management, Customer behavior, Customer reaction, Crisis management strategies, Catering companies

INTRODUCTION

Crisis management is one of the most critical areas in the operation of catering companies, as crises can arise at any time and directly affect the image and operation of the business (Kukanja & Planinc, 2013). Catering companies face challenges that affect both their operation and customer purchasing behavior (Zhu, 2020). Customer reactions to crises, such as reduced

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restaurant visits, increased preference for delivery and takeaway services, and a shift towards the digital environment, require companies to adapt their strategies to ensure sustainability and customer trust (Karunia, 2024). Understanding the interaction between crisis management strategies and customer reactions is essential for developing resilient and effective business models (Pekdemir & Günlü, 2024).

Managing crises in the catering sector involves understanding customer perceptions and responses, particularly during challenging times such as economic downturns or health crises (Han, 2024). Research indicates that effective crisis management techniques and communication strategies are crucial for maintaining customer trust and ensuring business viability (Mwandembo, 2024). According to Van Dijk Heleen et al. (2008) who examined customer reaction to food poisoning and the communication strategies used by businesses to mitigate the negative effects, direct and honest communication with customers is crucial for maintaining trust. Moreover, examining customer reactions during product-harm crises, emphasizing the roles of trust, blame, and perceived risk in influencing purchase intentions, was shown that perceived crisis severity significantly affects trust and blame, impacting customer behavior during crises (Vassilikopoulou et al., 2018). Additional studies have also emphasized the role of preparedness in crisis management; for instance, (Ugwuja, 2024) found that businesses with established crisis response plans were better equipped to minimize negative customer reactions during natural disasters. Furthermore, food safety scandals -highlighted in *A Handbook of Food Crime* (Barbarossa, 2018) - often provoke intense distrust among customers, sometimes extending beyond the involved business to the entire sector, especially when negligence is perceived. Equally important, consumer psychology research suggests that trust and perceived safety are key determinants of consumer responses during crises, with Byrd et al. (2021) emphasizing the emotional and cognitive mechanisms shaping these reactions.

While there are some similar studies of customers' reactions on crisis management specifically in catering companies (Li et al., 2018 & Fernandhytia et al., 2022), however, they have been carried out in foreign countries such as China, USA, The Netherlands, etc. (Liao et al., 2020; Leong & Hancer, 2014 & Hegner et al., 2016) and there does not seem to be a corresponding study on the situation prevailing in catering companies in Greece.

In this research, a combined study of crisis management by catering companies and customers' reaction is carried out that allows the development of integrated management strategies that consider both the business side and customer reactions. Specifically, this study examines the factors influencing customers' trust and experiences with catering companies during crisis situations, and additionally how these factors shape their attitudes towards these companies once the crisis has subsided. It employs multiple linear regression to analyze the impact of various factors on customers' trust, as well as the influence of their experiences when visiting a catering company during a crisis on their likelihood of returning in the future. Finally, linear regression is used to examine whether these two factors influence the customers' final attitude and behavior.

The main purpose of this research is to investigate the factors that influence customers' attitudes towards crisis management in the catering industry. To achieve the above purpose, the study aims to answer the following three research questions:

- *RQ1: What factors influence customers' confidence in the crisis situations of food service businesses?*
- *RQ2: How does customers' experience of visiting a restaurant business during a crisis affect their choice to visit the business again in the future?*
- *RQ3: How do customers' attitudes influence the response of foodservice operators to crisis situations?*

The answers to the above research questions are expected to help businesses in the catering industry improve their crisis management strategies and reduce their negative impact on customers. The remainder of this paper is structured as follows. The next section presents and analyzes relevant literature, followed by a discussion of the theoretical framework and formulation of the research hypotheses. The methodology of the study is described in the next section. The results and their discussion are provided respectively. Finally, suggestions and managerial implications for catering companies based on the findings are included.

LITERATURE REVIEW: CRISIS MANAGEMENT AND FOODSERVICE

Customer confidence in crisis situations within catering businesses is influenced by a range of interrelated factors grounded in organizational behavior, communication, and risk management theories:

1. First, a well-prepared *crisis management plan* signals organizational readiness and positively affects post-crisis customer trust and purchase intentions (Hegner et al., 2016; Chen et al., 2024; Ritchie, 2004). According to Hegner et al. (2016), organizational crises can severely damage a company's reputation and sales, making it crucial to understand how a company's pre-crisis actions and crisis response strategies influence customers' post-crisis attitudes and behavioral intentions. Research indicates that the effectiveness of a crisis communication strategy depends on the type of crisis faced, highlighting the need for an appropriate, tailored response. In this context, a study focusing on catering enterprises in Nanchang, Jiangxi, China, explores how various factors -such as the business environment, organizational resilience, human resource capability, financial capacity, and organisation size-intervene in shaping crisis management strategies and capabilities, offering deeper insights into effective crisis response across different organizational contexts (Chen et al., 2024).
2. Awareness of *ISO standards* enhances perceived quality and corporate image, which in turn strengthens customer trust (Wu & Jang, 2013; Martínez & Martínez, 2009). Wu and Jang, (2013) investigate the impact of customers' awareness of ISO certification on various customer perception variables, including perceived quality, brand image, brand attitude, brand preference, and purchase intention. Findings reveal that while ISO awareness

directly enhances perceived quality, it does not directly influence brand image -although perceived quality, in turn, positively affects brand image. Subsequently, brand image influences brand attitude, which affects brand preference, ultimately impacting purchase intention. These variables collectively mediate the relationship between ISO certification and customers' buying behavior. Additionally, Martínez C. and Martínez G. (2009) examines whether ISO certification affects overall customer perceptions of service providers, concluding that it significantly enhances perceptions of service quality, satisfaction, and corporate image -particularly in terms of quality and corporate image. These results underscore that ISO 9000 certification can generate substantial marketing advantages by positively shaping how customers evaluate a company's services.

3. Transparent and effective *information* about potential crises, including risk information, shapes customer understanding and reduces anxiety (Radu, 2023). Food safety campaigns have largely been designed based on the findings of technical risk assessments. However, other factors also play a significant role in the effectiveness of risk communication strategies (Paraskevas & Altinay, 2013). These factors include individuals' perceptions of risk, intentions to engage with communication messages, attitudes toward food safety, and adherence to recommended practices. Additionally, customers' understanding of risks, misinformed views, personal habits, (in)experience with the risks, and resistance to behavior change impact campaigns' effectiveness.
4. Staff *training* equips employees to manage crises competently, reinforcing public assurance (Zacher & Rudolph, 2021; Chen et al., 2024). Crises and related events can be understood as environmental stressors -arising from work, family, or other domains- that employees must perceive, evaluate, and cope with, making stress theories particularly relevant for understanding employee experiences and behaviors during times of crisis. From a practical standpoint, the transactional stress model highlights how certain human resource management practices, such as training and organizational support, can help employees view crises as manageable challenges, thereby promoting well-being and reducing strain (Zacher & Rudolph, 2021). In this context, a study focusing on catering enterprises in Nanchang, Jiangxi, China, examines how factors such as the business environment, organizational resilience, human resource capability, financial capacity, and organisation size influence crisis management strategies and capacities. Together, these perspectives underscore the critical role of both individual-level and organizational-level factors in effective crisis response and management (Chen et al., 2024).
5. Maintaining high *hygiene and safety standards* and implementing preventive measures for customer protection further signal responsibility and care, enhancing safety perceptions (Anwar et al., 2025; Chen et al., 2024). Anwar et al. (2025) explore the complex dynamics of food supply chain safety, safety governance, and security in Pakistan's food industry, examining how hygiene practices, safety governance, customer perceptions, and supplier attitudes interact to shape food safety outcomes. The analysis reveals significant relationships among these factors, highlighting that hygiene violations negatively affect

food safety and security, with customer psychological capital mediating this relationship (Leong & Hancer, 2014). Similarly, Chen et al. (2024) investigate how various factors — including the business environment, organizational resilience, human resource capability, financial capability, and organization size - impact crisis management strategies and capacities in catering enterprises in Nanchang, Jiangxi, China. Their findings emphasize the intervening role these factors play in shaping effective crisis responses. Together, these studies underscore the importance of both internal capabilities and stakeholder perceptions in effectively managing food safety and crisis situations within the food service and supply sectors.

6. Implementing *preventive measures* during food recall crises is crucial for preserving organizational stability and maintaining customer trust (Liao et al., 2020). Liao et al. (2020) examine the serious consequences that food recalls can have on a company's operations, reputation, and long-term viability, emphasizing that customer trust violation constitutes an immediate and critical threat. Their study explores how firms adopt trust repair strategies and communicate relevant actions to the public in an effort to mitigate reputational damage. The findings reveal that customer food safety trust negatively influences customers' protective behavioral intentions during a recall incident. Furthermore, in scenarios where scientific evidence is shared, customers exhibit heightened risk perception, greater coping appraisal efficacy, stronger tendencies to seek information, and increased protective behavior.
7. Additionally, *resilient supply chains* ensure continuity and reliability, supporting customer expectations of consistent service (Holloway, 2025; Ritchie & Jiang, 2019). This qualitative research explores the influence of supply chain disruption management on brand resilience and customer perception. Key findings underscore the significance of proactive measures such as risk assessment, contingency planning, diversification, technology integration, and collaboration in enhancing organizational resilience. However, challenges including information gaps, resource constraints, coordination issues, and regulatory compliance complexities highlight the need for adaptive strategies and robust partnerships across the supply chain (Holloway, 2025).
8. Developing effective *communication strategies* during crises is essential for maintaining customer trust and influencing post-crisis purchase intentions (Farhana & Noor Nasir, 2017). Farhana and Noor Nasir (2017) investigate how customers form perceptions of a company's crisis management performance and how these perceptions impact consumer behavior following a crisis. Their analysis indicates that once a company is perceived as responsible for a crisis, customer perceptions are particularly resistant to change. The study emphasizes that crisis communication must be credible, accurate, unbiased, trustworthy, and persuasive in order to reshape these perceptions. Moreover, it highlights the importance of dynamic and flexible response strategies that allow companies to adapt their messaging and restore trust. Ultimately, the research shows that customers evaluate crisis communication based on the transparency and responsiveness demonstrated during

the crisis, using this information to form more informed judgments about the organization's reliability and integrity.

9. *Financial planning* and organizational resources contribute to operational stability, which bolsters trust during disruptions (Chen et al., 2024; Holloway, 2025). Chen et al. (2024) investigate the impact of various factors on crisis management for catering enterprises in Nanchang, Jiangxi, China, with a focus on the mediating role of the business environment, organizational resilience, human resource capability, financial capability, and organisation size in shaping effective crisis strategies and capacities. Among these factors, resource constraints -such as financial limitations and inadequate technological infrastructure- pose significant challenges to implementing robust disruption management strategies. Effective disruption management is essential for enhancing brand resilience by reducing risks, ensuring operational continuity, and protecting brand reputation. In contrast, ineffective management can result in operational failures, financial losses, and reputational harm. In today's competitive market, brand resilience is vital for maintaining a company's value proposition and customer trust amid crises (Holloway, 2025; Okumus & Karamustafa, 2005).
10. Finally, customers evaluate crisis responses based on pre-existing perceptions, and the appropriateness of a *company's actions*; credible and adaptive crisis communication strategies play a crucial role in preserving or restoring customer confidence (Tao, 2017; Farhana & Noor Nasir, 2017). Tao (2017) examines how customers with positive or negative associations in corporate ability versus social responsibility respond to associated-based corporate crises. Corporate associations refer to people's memory-based perceptions, evaluations, inferences, and beliefs about a company (Kim, Kim & Wang, 2021). Originating from interpersonal communication literature, the expectancy violations theory states that people update their evaluations of others based on the perceived discrepancy between what they expect from specific others and what they observe about the specific others.

These ten factors form a comprehensive theoretical framework that explains the determinants of customer confidence during crises in the catering businesses by identifying their influence on:

1. *Customers' trust* in a company during a crisis significantly influences how the crisis is perceived and how customers react (Liao et al., 2020). Trust functions as a key antecedent of both risk perception and coping perception in crisis situations. As Liao et al. (2020) note, in an industrialized society, consumers rely increasingly on social trust to deal with uncertain and emergent events that require expertise. When trust is effectively maintained or repaired, customers are more likely to perceive the business as reliable and competent, positively shaping their attitudes and behavioral intentions.
2. The quality of the *customers' direct experience* during a crisis has a substantial impact

on satisfaction, trust, and the intention to revisit or recommend the business (Hossain et al., 2023). As demonstrated by Hossain et al. (2023), positive experiences -both in food quality and service delivery- enhance customers' overall satisfaction and foster strong word-of-mouth and loyalty behaviors. These experiential elements become especially critical in crisis periods, where each customer interaction can influence future patronage.

3. *Customers' attitude* toward risk-generating situations also plays an important role in shaping behavior during crises (Pandelica & Pandelica, 2011). According to Pandelica and Pandelica (2011), when consumers face economic or operational uncertainty, their attitudes toward these situations often have a stronger impact on behavior than their perception of specific risks. This suggests that how customers interpret and emotionally respond to a company's crisis management strategy may determine whether they continue to support the business or not.

Together, these insights form the theoretical foundation for hypotheses exploring the influence of crisis experiences and company responses on customer behavior, suggesting that both trust-building strategies and experiential quality are key to sustaining customer confidence and repeat patronage in crisis situations.

Figure 1 illustrates the factors influencing customer trust and experience during crisis situations in catering businesses, and how these factors collectively affect changes in customer attitudes. Inputs such as crisis management planning, ISO standards, hygiene measures, communication strategies, and financial management impact both customer trust and crisis-time experience. These two mediating variables, in turn, influence customers' attitude changes and their intention to revisit the company.

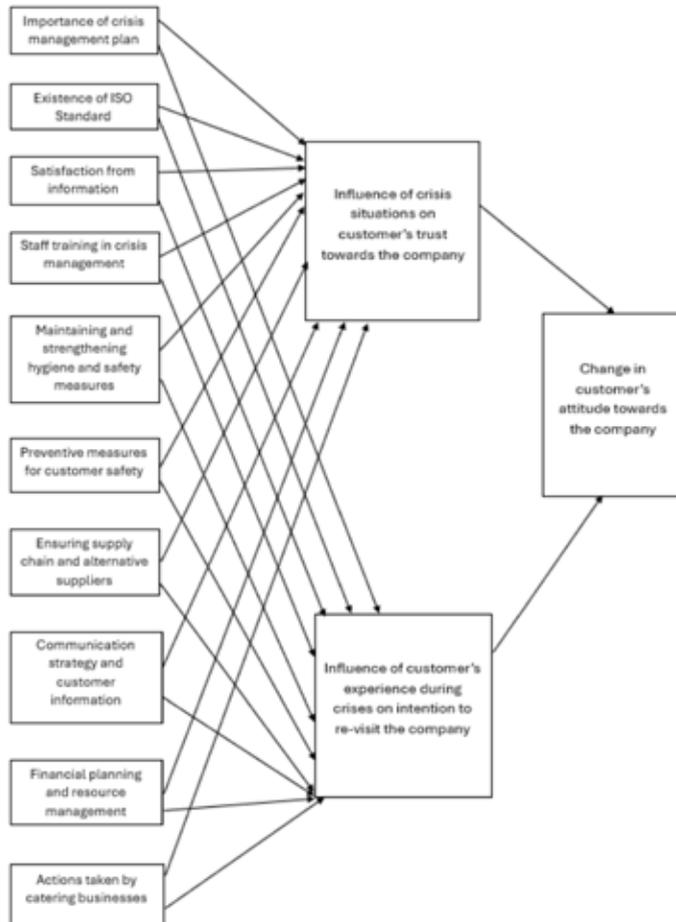


Figure 1. Theoretical model

The following hypotheses are tested:

Crisis preparedness and trust

H1: The perceived existence of a crisis management plan positively influences customer trust during crises.

H2: Awareness of ISO certification positively influences customer trust during crises.

H3: Perceived financial preparedness positively influences customer trust during crises.

Crisis preparedness and experience

H4: Crisis management planning positively influences customers' experience when visiting during a crisis.

H5: ISO certification positively influences customers' crisis-time experience.

H6: Visible hygiene and safety measures influence customers' crisis-time experience.

Trust, experience and attitude

H7: Customer trust during crises positively influences post-crisis of the customer attitude.

H8: Positive crisis-time experience increases revisit intention.

H9: Revisit intention positively influences overall attitude toward the company.

RESEARCH METHODOLOGY

For the conduct of this study, the use of customer questionnaires was chosen as the main research method as they allow the collection of quantitative data from a large and representative sample of the target population and provide the opportunity for systematic and structured data collection. The questions were designed to cover all the main topics of the survey and included all the ten factors of the theoretical framework (Figure 1). The convenience sampling method was chosen, which provides the opportunity to collect data quickly and economically from a wide range of customers.

The questionnaire includes closed-ended questions and is structured in two main parts. The first part is subdivided into three notional sections based on the three phases of crisis management and the second part consists of demographic questions. The questionnaire was distributed through online platforms and social networks, which allows access to a wide range of customers. The distribution process took nine weeks, and responses were collected and recorded electronically. The data collected were analysed using the statistical program Stata MP 18. From the collection of the questionnaires and extraction of the survey responses from the Google Forms platform, it appears that the total number of people who participated in the survey was 285. All participants completed the survey and there were no blank responses, so the final sample of this survey is $n=285$ participants. Based on the responses given, the participants were profiled in terms of their demographic information.

Regarding the demographics, the survey sample is well-balanced in terms of gender, with women comprising 51.9% and men 48.1%. Most participants fall within the 35-44 age group (29.1%), closely followed by those aged 25-34 (27.0%), together accounting for over half of the respondents. The largest marital status group is married individuals with children (37.5%), while singles (17.5%) and those in relationships (18%) also represent a significant portion. Educational attainment is notably high: 39.3% have completed higher education, and an additional 29.8% hold postgraduate or doctoral degrees. In terms of income, the majority of respondents belong to the middle-income class, with 26% earning between €10,001-20,000 and 25.3% earning €20,001-30,000 annually -indicative of stable earnings and moderate consumption capacity. Finally, most participants (58.6%) are full-time employed.

Attica represents nearly half of the survey sample (47.4%), reflecting the region's high population concentration, as confirmed by national census data. This proportion is expected, given that Attica is the most populous area in the country. Thessaloniki (10.9%) and the broader

region of Macedonia (13.3%) together account for over 24% of the sample, underscoring the demographic significance of Northern Greece as the second-largest population center. Participation from the remaining regions is lower, consistent with their smaller populations and lower density. Specifically, the regions of Thrace, Epirus, the Ionian Islands, the Aegean Islands, and Crete each contribute between 1.7% and 3.5% of respondents. These lower figures may be attributed to geographic dispersion or accessibility challenges. Meanwhile, Thessaly (4.9%), Central Greece (4.2%), and the Peloponnese (5.3%) exhibit moderate participation levels, reflecting their intermediary position between the densely populated and more remote regions. Table 1 presents the mapping of the study's variables, questionnaire items, and research questions.

Table 1. Study's mapping

Factor	Question of study	Variable
Importance of crisis management plan	How important is it to you for a catering company to have a crisis management plan?	<i>cmplan</i>
Existence of ISO Standard	How would it affect your judgment if you knew that a company applies an ISO standard such as (ISO 22000, ISO 22301, etc.) for managing crisis situations?	<i>iso</i>
Satisfaction from information	How satisfied are you with the information you receive from catering businesses regarding crisis situations that may occur in these companies?	<i>information</i>
Staff training in crisis management		<i>raining</i>
Maintaining and strengthening hygiene and safety measures	Which of the following do you consider most important for preparing to deal with a crisis in a catering company?	<i>maintmeasures</i>
Preventive measures for customer safety	<ul style="list-style-type: none"> • Staff training in crisis management 	<i>preventmeasures</i>
Ensuring supply chain and alternative suppliers	<ul style="list-style-type: none"> • Maintaining and strengthening hygiene and safety measures 	<i>supplychain</i>
Communication strategy and customer information	<ul style="list-style-type: none"> • Preventive measures for customer safety 	<i>communication</i>
Financial planning and resource management	<ul style="list-style-type: none"> • Ensuring supply chain and alternative suppliers 	<i>financeplan</i>
	<ul style="list-style-type: none"> • Communication strategy and customer information • Financial planning and resource management 	

Actions taken by catering businesses	How do you evaluate the actions taken by catering businesses to address crisis situations?	<i>actions</i>
Influence of crisis situations on customer's trust in the company	How do crisis situations in catering businesses affect your trust in these businesses?	<i>trust</i>
Influence of customer's experience during crises on intention to re-visit the company	To what extent does your experience visiting a catering establishment during a crisis influence your choice to visit the establishment again in the future?	<i>experience</i>
Change in customer's attitude towards the company	Have you changed your attitude towards catering businesses because of the way that business handles crisis situations?	<i>attitude</i>

To address the study's research questions, a series of three multiple linear regression analyses were conducted, aligning with the structure of the proposed conceptual framework. The first regression model examined the impact of ten crisis management-related factors -such as the existence of a crisis management plan, ISO standards, customer information, and financial planning -on customer trust in catering businesses during crisis situations, thereby directly addressing RQ1. The second regression model assessed how the same set of independent variables influenced customers' intention to revisit a business during a crisis, responding to RQ2. Finally, a third model evaluated whether the two intermediate variables -customer trust and revisit intention- significantly affect customers' overall attitude toward the business, providing insight into RQ3. The diagram visually supports this analytical sequence, illustrating how each factor contributes to shaping trust and experience, which in turn influences post-crisis attitudes. These regressions collectively allowed for a structured investigation of the relationships between crisis management practices, customer perceptions, and behavioral intentions.

FINDINGS

Customers' trust

The regression analysis revealed that the model explains approximately 35.03% of the variation in customer trust ($R^2 = 0.3503$), with an adjusted R-squared of 0.3266, indicating a moderate fit after accounting for the number of predictors. The overall model was statistically significant ($F(10, 274) = 14.77, p < 0.001$), suggesting that the included variables collectively influence customer trust. Among the independent variables, implementation of a crisis management plan (cmplan) ($\beta = 0.2446, p = 0.001$), adoption of ISO standards (iso) ($\beta = 0.3213, p < 0.001$), and financial planning (financeplan) ($\beta = 0.2071, p = 0.013$) were found to have a statistically significant and positive effect on customer trust. Other variables, such as customer information, staff training, health measures, customer safety, supply chain,

general crisis response actions and communication strategy, were not statistically significant, indicating that they do not meaningfully impact customer trust in this model.

The first regression model demonstrated moderate explanatory power, accounting for approximately one-third of the variance in customer trust. The model was statistically significant, indicating that crisis management-related factors collectively influence trust perceptions. Among the examined variables, three emerged as significant predictors. The presence of a formal crisis management plan showed a positive and meaningful association with trust, suggesting that customers interpret structured preparedness as a signal of organizational reliability. Similarly, awareness of ISO certification exerted a strong positive influence, reinforcing the idea that standardized practices function as institutional trust cues. Financial planning also contributed positively, indicating that perceived economic stability enhances confidence in a firm's ability to manage disruptions. Other factors, including communication, staff training, hygiene practices, supply chain measures, and general crisis actions, did not significantly affect trust, implying they may be viewed as baseline expectations rather than differentiating attributes.

Customers' experience

The regression analysis demonstrated that the model explains 44.49% of the variance in revisit intention ($R^2 = 0.4449$), with an adjusted R^2 of 0.4246, indicating a relatively good explanatory power after accounting for the number of predictors. The overall model was statistically significant ($F(10, 274) = 21.96, p < 0.001$), confirming that at least one of the independent variables significantly affects revisit intention. Among the predictors, crisis management planning (cmplan) ($\beta = 0.3422, p < 0.001$) and implementation of ISO standards (iso) ($\beta = 0.3454, p < 0.001$) exhibited strong, statistically significant positive effects on revisit intention. Health measures (maintmeasures), on the other hand, were negatively associated with revisit intention and statistically significant ($\beta = -0.2065, p = 0.041$). Other variables, such as customer information, staff training, customer safety, supply chain, communication strategy, financial planning and general crisis response actions, were not statistically significant and did not appear to meaningfully influence revisit intention within the scope of this model.

The second regression model explained nearly half of the variance in revisit intention during crisis conditions, demonstrating strong explanatory capacity. Crisis management planning and ISO implementation again appeared as robust positive predictors, suggesting that structured preparedness enhances not only trust but also the perceived quality of the crisis-time service experience. Interestingly, hygiene measures displayed a negative association with revisit intention. This counterintuitive result may reflect customer fatigue or heightened sensitivity to visible safety cues, which can act as reminders of risk rather than reassurance. Other operational and communication-related factors did not significantly influence revisit intentions.

Customers' attitude

The third regression model examined the impact of trust and revisit intention on customer attitude. The results indicated limited explanatory power, with the model accounting for only 1.61% of the variance ($R^2 = 0.0161$) and an adjusted R^2 of 0.0092, indicating that the inclusion of the two independent variables does not meaningfully improve the model. The overall model was not statistically significant ($F(2, 282) = 2.31, p = 0.101$), suggesting that the relationship between the independent variables and customer attitude could be due to chance. However, at the individual level, trust (trust) had a statistically significant and positive effect on customer attitude ($\beta = 0.1137, p = 0.032$), indicating that higher levels of trust are associated with more favorable attitudes. In contrast, revisit intention (experience) was not statistically significant ($\beta = -0.0611, p = 0.293$), suggesting it does not have a meaningful influence on customer attitude within the context of this model. The constant term was also significant ($\beta = 1.6397, p < 0.001$).

The third model, examining the influence of trust and revisit intention on overall attitude, showed limited explanatory power. While the model itself was not statistically strong, trust emerged as a significant positive predictor, indicating that confidence in the firm during crises plays a meaningful role in shaping long-term attitudinal evaluations. Revisit intention, however, did not significantly affect attitudes, suggesting that behavioral intentions and attitudinal change may follow different psychological pathways.

All the above results are represented in Figure 2 which illustrates the three regression analyses conducted to examine the impact of crisis management factors on customers' trust, customers' experience during crises, and subsequent behavioral intentions. Each arrow in the diagram represents a hypothesized relationship tested through regression analysis. The solid lines correspond to statistically significant (accepted) hypotheses, while the dashed lines indicate non-significant (rejected) hypotheses. The numbers on the arrows represent standardized beta coefficients (β), which indicate the strength and direction of the relationship between the independent and dependent variables.

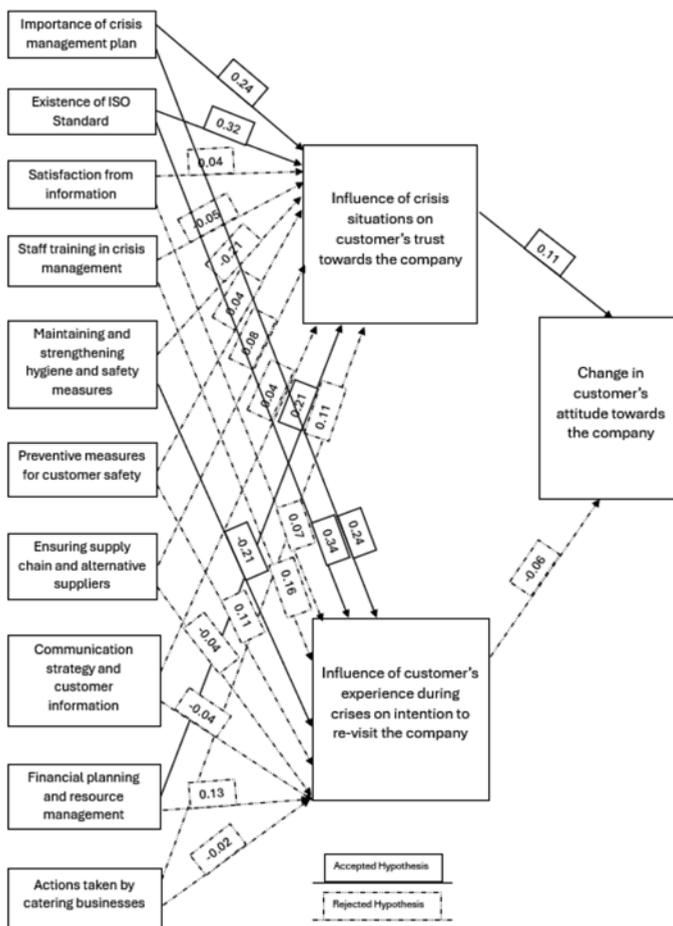


Figure 2. Regression analysis for the assessment of impact of crisis management factors on customers' trust, customers' experience during crises, and subsequent behavioral intentions

CONCLUSIONS - RECOMMENDATIONS

This research investigates crisis management in catering companies, emphasizing how customer perceptions and behavioral responses are shaped during disruptive events. The study includes three multiple linear regression analyses, aligning with the structure of the proposed conceptual framework. The first regression model examined the impact of ten crisis management-related factors -such as the existence of a crisis management plan, ISO standards,

customer information, and financial planning -on customer trust in catering businesses during crisis situations. The second assessed how the same set of independent variables influenced customers' intention to revisit a business during a crisis. Finally, a third model evaluated whether the two intermediate variables -customer trust and revisit intention- significantly affect customers' overall attitude toward the business.

The findings of the first regression analysis reveal that ISO certification, the presence of a crisis management plan, and financial planning significantly and positively influence customer trust. These results indicate that customers tend to place greater trust in organizations that demonstrate structured and standardized operations, as well as sound financial preparedness during crises. This aligns with prior studies such as Wu & Jang (2013) and Martínez & Martínez (2009), who emphasize that awareness of ISO standards enhances perceived quality and corporate image, thereby reinforcing trust. Similarly, the positive effect of crisis management planning is consistent with Hegner et al. (2016) and Chen et al. (2024), who argue that pre-crisis preparation and strategic planning are essential for sustaining customer confidence post-crisis. The significant contribution of financial planning is in line with Chen et al. (2024) and Holloway (2025), who underscore the stabilizing role of economic preparedness in crisis management and its impact on customer perception. Conversely, other examined factors -including customer information, staff training, health measures, customer safety, supply chain management, communication strategy, and general crisis response actions- did not show statistically significant effects on trust. Although literature suggests their relevance in shaping customer perception (e.g., Radu, 2023; Zacher & Rudolph, 2021; Liao et al., 2020), the absence of significant effects in this analysis may indicate that these variables serve as baseline expectations rather than key differentiators in customers' trust assessments. For example, while Radu (2023) stresses the role of transparent crisis information in reducing anxiety, and Zacher & Rudolph (2021) highlight the importance of staff training in strengthening public assurance, these aspects may be considered assumed standards by consumers, thus exerting minimal additional influence unless absent.

In the second regression model, which analyzed revisit intention, both ISO implementation and crisis management planning again emerged as strong and significant predictors. This finding reinforces theoretical perspectives that link structured organizational readiness to post-crisis behavioral intentions (Hegner et al., 2016; Farhana & Noor Nasir, 2017). Customers seem to reward businesses that exhibit reliability and professional preparation with loyalty, supporting the notion that proactive crisis management fosters long-term consumer relationships. Interestingly, hygiene measures showed a significant negative effect on revisit intention - an unexpected outcome that contrasts with findings from Anwar et al. (2025) and Liao et al. (2020), who underscore the importance of hygiene and safety in boosting customer confidence. One plausible explanation is that stringent health protocols, though intended to enhance safety, may unintentionally evoke discomfort or pandemic-related fatigue, serving as constant reminders of disruption and thereby discouraging repeat visits. This interpretation is aligned with emerging research suggesting that customer responses may shift over time as their tolerance or sensitivity to visible crisis measures evolves. All other variables -including

customer information, staff training, customer safety, supply chain management, communication strategy, financial planning, and general crisis response actions- were not found to significantly influence revisit intention. This contrasts with literature such as Farhana & Noor Nasir (2017) and Holloway (2025), which emphasize the value of credible communication and supply chain resilience. Discrepancy may again point to these factors functioning as foundational operational elements, the absence of which may be penalized by customers, but whose presence does not independently increase revisit intentions unless coupled with trust-building mechanisms.

The third regression model focused on customer attitude. Although the model overall lacked statistical significance, customer trust emerged as a meaningful and significant positive predictor, suggesting that trust plays a key role in shaping favorable perceptions of a company. This supports insights from Liao et al. (2020) and Tao (2017), who argue that trust is central to customer evaluations in uncertain conditions and that appropriately managing expectations influences how customers re-evaluate companies post-crisis. On the other hand, revisit intention did not significantly affect customer attitude, indicating that attitudinal and behavioral responses may follow different cognitive or emotional pathways. This divergence aligns with Pandelica & Pandelica (2011), who highlight that attitude toward risk and emotional interpretation of a situation can have a stronger effect on customer perceptions than behavioral intentions themselves.

Regarding the hypotheses tested:

- H1 proposed that the perceived existence of a crisis management plan positively influences customer trust during crises. The empirical findings support this hypothesis, as crisis management planning emerged as a significant and positive predictor of customer trust. This confirms that customers interpret formal preparedness as an indicator of organizational competence and responsibility under uncertainty.
- H2 suggested that awareness of ISO certification positively influences customer trust during crises. This hypothesis is also supported. ISO standards showed one of the strongest positive effects on trust, reinforcing the notion that institutionalized quality and safety systems serve as powerful credibility signals for customers.
- H3 stated that perceived financial preparedness positively influences customer trust during crises. The results support this hypothesis as well. Financial planning was significantly associated with higher trust, indicating that customers value perceived economic stability as a foundation for reliable crisis handling.
- Moving to crisis-time experience, H4 proposed that crisis management planning positively influences customers' experience when visiting during a crisis. The findings support this relationship, as the presence of a crisis management plan significantly enhanced revisit intention, suggesting that structured preparedness translates into more reassuring and smoother service encounters.
- H5 hypothesized that ISO certification positively influences customers' crisis-time experience.

- rience. This hypothesis is confirmed, as ISO implementation again showed a strong positive relationship with revisit intention, indicating that standardized procedures shape not only trust but also the perceived quality of the service experience under crisis conditions.
- H6 examined whether visible hygiene and safety measures influence customers' crisis-time experience. The findings reveal a statistically significant but negative relationship. While the hypothesis anticipated influence, the direction suggests that excessive visibility of safety measures may evoke discomfort or crisis fatigue, rather than reassurance. This highlights the complex and context-dependent nature of safety signaling.
 - Regarding attitudinal outcomes, H7 proposed that customer trust during crises positively influences post-crisis customer attitude. The results support this hypothesis. Trust was the only significant predictor of customer attitude, underscoring its central role in shaping long-term evaluative perceptions.
 - H8 stated that positive crisis-time experience increases revisit intention. This relationship is inherently supported within the model structure, as crisis-time experience itself was operationalized through revisit intention and was significantly shaped by key preparedness factors, confirming that favorable experiences during disruptions encourage continued patronage.
 - Finally, H9 proposed that revisit intention positively influences overall attitude toward the company. The empirical findings do not support this hypothesis. Revisit intention did not significantly affect customer attitude, suggesting that behavioral intentions and deeper attitudinal change may follow distinct psychological processes.

Collectively, the results show a consistent pattern: structural preparedness factors (planning, ISO standards, financial stability) significantly influence both trust and crisis-time experience, while trust emerges as the critical bridge to long-term attitudinal outcomes. Operational or communication-related measures appear to function more as baseline expectations rather than decisive trust drivers. The partial rejection of hypotheses related to hygiene measures and the attitude-behavior link further indicates that customer responses to crisis management are not purely rational but are shaped by emotional, contextual, and perceptual dynamics.

In summary, the empirical results of this study both confirm and nuance existing literature. ISO standards, crisis preparedness, and financial planning consistently emerge as trust-enhancing mechanisms, validating prior findings. Meanwhile, the non-significant role of communication, safety, and training measures -and the surprising negative effect of hygiene protocols on behavioral intent- suggest that certain crisis strategies may have context-dependent or diminishing returns, warranting further investigation into customer expectations in evolving crisis environments.

Based on the findings of this study, catering businesses should prioritize the implementation of formal crisis management plans, ISO certifications, and robust financial planning, as these elements were found to significantly enhance customer trust and revisit intention during crises. Investments in crisis readiness not only improve customer perceptions but can also foster long-term loyalty. In contrast, efforts related to communication, staff training, and hygiene measures, while important for operational purposes, did not significantly influence customer

attitudes or behaviors in this context and should be strategically aligned with broader trust-building efforts. Overall, to maintain customer confidence and encourage repeat patronage, catering businesses must focus on credibility, stability, and transparent quality assurance, especially in environments marked by uncertainty or disruption.

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Conflicts of Interest

The authors declare no conflict of interest.

REFERENCES

- Anwar, R. S., Ahmed, R. R., Streimikiene, D., Streimikis, J., & Zamek, D. (2025). Securing food futures: The interplay of safety governance, hygiene, supplier beliefs and customer engagement. *British Food Journal*, 127(2): 758–778. <https://doi.org/10.1108/BFJ-09-2024-0882>
- Barbarossa, C. (2018). Consumer reactions to food safety scandals: A research model and moderating effects. In A. Gray & R. Hinch (Eds.), *A Handbook of Food Crime: Immoral and Illegal Practices in the Food Industry and What to Do About Them* (pp. 385–402). Bristol University Press: Bristol.
- Byrd, K., Her, E., Fan, A., Almanza, B., Liu, Y., & Leitch, S. (2021). Restaurants and COVID-19: What are consumers' risk perceptions about restaurant food and its packaging during the pandemic? *International Journal of Hospitality Management*, 94: 102821. <https://doi.org/10.1016/j.ijhm.2020.102821>
- Chen, M., Alireza, M., Li, Q., Amer, H. J., & He, S. (2024). Role of business environment and size between company capabilities and crisis management for catering enterprises. *Journal of International Business and Management*, 7(3): 1–14. <https://doi.org/10.37227/JIBM-2024-02-6412>
- Etikan, I., Musa, S. A., & Alkassim, R. S. (2016). Comparison of convenience sampling and purposive sampling. *American Journal of Theoretical and Applied Statistics*, 5(1): 1–4.
- Farhana, M., & Noor Nasir, K. A. (2017). Crisis management, crisis communication, and customer purchase intention post-crisis. *Global Business and Management Research: An International Journal*, 9(4S - Special Issue): 1–13.
- Fernandhytia, F., Prasetyo Hadi, M. W., Septiana Sari, D. V., & Heriyati, P. (2022). The effect of crisis management and implementation of health protocols during the COVID-19 pandemic on repurchase intention with customer safety as mediation. *Journal of Business and Management Review*, 3(2): 158–173. <https://doi.org/10.47153/jbmr32.3042022>

- Grönroos, C. (2011). Value co-creation in service logic: A critical analysis. *Journal of Service Management*, 22(3), 279–301. <https://doi.org/10.1108/09564231111136805>
- Han, Y. (2024). Analysis of the catering sector's adjustment plan following the COVID-19 pandemic. *SHS Web of Conferences*, 207: 04015. <https://doi.org/10.1051/shsconf/202420704015>
- Hegner, S., Beldad, A., & Kraesgenberg, A. L. (2016). The impact of crisis response strategy, crisis type, and corporate social responsibility on post-crisis customer trust and purchase intention. *Corporate Reputation Review*, 19(4): 281–294. <https://doi.org/10.1057/s41299-016-0007-y>
- Holloway, S. (2025). Assessing the impact of supply chain disruption management on brand resilience and customer perception. *SSRN Electronic Journal*, <https://doi.org/10.2139/ssrn.5123727>
- Hossain, M. S., Hossain, M. A., Al Masud, A., Islam, K. M. Z., Mostafa, M. G., & Hossain, M. T. (2023). The integrated power of gastronomic experience quality and accommodation experience to build tourists' satisfaction, revisit intention, and word-of-mouth intention. *Journal of Quality Assurance in Hospitality & Tourism*, 25(6): 1692–1718. <https://doi.org/10.1080/1528008X.2023.2173710>
- Karunia, E. (2024). Customer trends: Exploring shifts and patterns in contemporary customer behavior. *The Journal of Business and Management Research*, 6(2): 103–118. <https://doi.org/10.55098/tjbmrv6i2.662>
- Kim, J., Kim, J., & Wang, Y. (2021). Pandemic service experience and consumer behavior: Evidence from the hospitality industry. *International Journal of Hospitality Management*, 97, 102990. <https://doi.org/10.1016/j.ijhm.2021.102990>
- Kukanja, M., & Planinc, T. (2013). Operational crisis management techniques in the catering industry in times of recession: The case of the municipality of Piran. *Our Economy – Journal of Contemporary Issues in Economics and Business*, 59(1–2): 75–85. <https://doi.org/10.7549/OURECON.2013.1-2.08>
- Leong, J. K., & Hancer, M. (2014). Crisis management preparedness to protect food products in a foodservice operation. *Journal of Hospitality Marketing & Management*, 23(2): 178–217. <https://doi.org/10.1080/19368623.2013.754664>
- Li, Y., Phau, I., Lu, W., & Teah, M. (2018). Crisis management of food security scandals in China: Motivations and solutions towards purchase intention. *Journal of Customer Behaviour*, 17(1): 13–24. <https://doi.org/10.1002/cb.1659>
- Liao, C., Luo, Y., & Zhu, W. (2020). Food safety trust, risk perception, and customers' response to company trust repair actions in food recall crises. *International Journal of Environmental Research and Public Health*, 17(4): 1270. <https://doi.org/10.3390/ijerph17041270>

- Liao, C., Yu, H., & Zhu, W. (2020). Perceived knowledge, coping efficacy and customer consumption changes in response to food recall. *Sustainability*, 12(7): 2696. <https://doi.org/10.3390/su12072696>
- Martínez Caro, L., & Martínez García, J. A. (2009). Does ISO 9000 certification affect customer perceptions of the service provider? *Managing Service Quality: An International Journal*, 19(2): 140–161. <https://doi.org/10.1108/09604520910943152>
- Mwandembo, F. (2024). Navigating the storm: Effective crisis communication strategies. *International Journal of Innovative Science and Research Technology*, 9(3): 2080–2089. <https://doi.org/10.38124/ijisrt/ijisrt24mar2080>
- Okumus, F., & Karamustafa, K. (2005). Impact of an economic crisis: Evidence from Turkey. *International Journal of Contemporary Hospitality Management*, 17(6), 493–508. <https://doi.org/10.1108/09596110510612171>
- Pandelica, A., & Pandelica, I. (2011). The change of customers' behavior in crisis conditions: A psychological approach to empirical evidence from Romania. *African Journal of Business Management*, 5(28): 11399–11412. <https://doi.org/10.5897/AJBM11.266>
- Paraskevas, A., & Altinay, L. (2013). Signal detection as the first line of defence in tourism crisis management. *Cornell Hospitality Quarterly*, 54(3), 247–258. <https://doi.org/10.1177/1938965513480419>
- Pekdemir, T., & Günlü, E. (2024). Organizational resilience–crisis management relationship on hospitality businesses. *Journal of Business Research – Turk*, 16(2): 1786–1795. <https://doi.org/10.20491/isarder.2024.1786>
- Radu, M. (2023). *Risk Communication Strategies and Customer Behaviours within Food Related Contexts*. Doctoral Thesis, Department of Economics, University of Stirling.
- Ritchie, B. W. (2004). Chaos, crises and disasters: A strategic approach to crisis management in the tourism industry. *Tourism Management*, 25(6), 669–683. <https://doi.org/10.1016/j.tourman.2003.09.004>
- Ritchie, B. W., & Jiang, Y. (2019). A review of research on tourism risk, crisis and disaster management: Launching the annals of tourism research curated collection on tourism risk, crisis and disaster management. *Tourism Management*, 71, 1–15. <https://doi.org/10.1016/j.tourman.2018.10.010>
- Tao, W. (2017). How customers' pre-crisis associations and attitude certainty impact their responses to different crises. *Communication Research*, 45(6): 815–839. <https://doi.org/10.1177/0093650217733361>
- Ugwuja, C. G. (2024). Crisis management in organizations. *Nigerian Journal of Interdisciplinary and Contemporary Issues in Management*, 4(2): 710–721. <https://doi.org/10.59298/nijciam/2024/4.2.7102107>

- Van Dijk, H., Houghton, J., Van Kleef, E., Van der Lans, I., Rowe, G., & Frewer, L. (2008). Customer responses to communication about food risk management. *Appetite*, 50(2–3): 340–352. <https://doi.org/10.1016/j.appet.2007.08.008>
- Vassilikopoulou, A., Lepetsos, A., & Siomkos, G. J. (2018). Crises through the customer lens: The role of trust, blame and risk. *Journal of Customer Marketing*, 35(5): 502–511. <https://doi.org/10.1108/JCM-02-2016-1721>
- Wu, S. I., & Jang, J. Y. (2013). The impact of ISO certification on customers' purchase intention. *Total Quality Management & Business Excellence*, 25(3–4): 412–426. <https://doi.org/10.1080/14783363.2013.776770>
- Zacher, H., & Rudolph, C. W. (2021). Researching employee experiences and behavior in times of crisis: Theoretical and methodological considerations and implications for human resource management. *German Journal of Human Resource Management*, 36(1): 6–31. <https://doi.org/10.1177/23970022211058812>
- Zhu, J. (2022). Marketing research of customer behavior of restaurant services. *Galic'kij Ekonomičnij Visnik*, 74(1): 171–176. https://doi.org/10.33108/galicianvisnyk_tntu2022.01.171

Modelling Environmental Pollution Control Strategy for Coastal Tourism in Nigeria

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ABSTRACT

Environmental and social challenges, such as beach erosion, pollution, and habitat degradation, have negatively impacted coastal tourism without studies to mathematically model the control strategy for these challenges. Thus, this study investigated and developed an optimal control model to study the influence of individual response to awareness, ecological measures, and contamination removal of pollution in coastal areas. The model was formulated by applying some control strategies to the dynamics of the Visitors-Resources-Contamination model using a set of non-linear differential equations. The control strategies applied included awareness/campaign, ecological controls and clearance of contamination, which is the unique selling point. The data on tourist arrivals to Nigeria was used to validate the model. The study revealed that a direct relationship exists between tourist resources and contamination. The simulation of the three controls under normal conditions proved to be the most effective in curtailing contamination in coastal areas.

Keywords: Awareness, Coastal Tourism; Ecological control; Optimal control; Resources

INTRODUCTION

International tourism, which has grown in popularity as a result of globalization, is defined as travel that takes place outside of national borders. Tourists are defined by the World Tourism Organization (WTO) as individuals who travel for business, pleasure, or other purposes and spend up to a year at a time in places other than their home environment (Kumar, 2018; Goßling et al., 2020). The World Health Organization (WHO) estimates that up to 500,000 people could be travelling at once. In 2010, there were more than 940 million foreign visitors to the world. In 2016, there were 1,235 million, meaning that 1,220 billion USD had been

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spent on travel. Global tourism was severely negatively affected by the COVID-19 issue, which considerably slowed the overall upward trajectory of the industry. Significant harm is caused to the environment by international tourism, which is exacerbated by problems associated with air travel and other factors such as affluent tourists who lead lifestyles that strain the water supplies, infrastructure and other resources of the community, particularly in coastal areas (Kumar, 2018; Goßling et al., 2020; Jafari et al., 2021).

Many nations' economies are highly dependent on coastal tourism, which attracts tourists with its immaculate beaches, breathtaking scenery, and variety of leisure opportunities. Coastal tourism in Nigeria is a vibrant and growing industry with immense potential that offers a diverse range of attractions, encompassing breathtaking natural scenery, a diverse cultural legacy, historic sites, and energetic cities. Tourists are attracted to destinations that are innovative and creative. It is good to explore unique and engaging ways to showcase tourism offerings of Nigeria through social media platforms, partnering with influencers, organizing experiential events, and creating visually appealing content such as videos and virtual tours, especially in coastal areas, leading to coastal tourism (Ugwukah and Obomanu, 2020; Amalare et al., 2020; Metilelu et al., 2022a,b, 2023a,b). Coastal tourism often boasts of rich cultural heritage, with historical sites, traditional fishing villages, and indigenous communities. This blend of natural beauty and cultural significance creates a compelling draw for tourists interested in immersing themselves in local traditions and customs (Mazzoni et al., 2022; Metilelu et al., 2022b; Xiong et al., 2022; Aziz and Niazi, 2023). Unfortunately, the rapid growth of tourism has led to an increase in environmental pollution, posing significant challenges to the sustainability and preservation of these coastal treasures. One of the primary challenges is the improper disposal of waste by tourists. From plastic bottles and food packaging to cigarette butts and sunscreen chemicals, the accumulation of waste not only degrades the natural beauty of coastal areas but also harms marine life. The pollution caused by these materials can have devastating effects on the delicate balance of the ecosystem, leading to the destruction of coral reefs, contamination of water sources, and endangerment of marine species (Mamirkulova et al., 2020; Chen, 2023; Raphela et al., 2024).

Another challenge is the excessive use of natural resources by tourists. The high demand for water, energy, and other resources in coastal areas puts a strain on the local infrastructure and ecosystems. Overconsumption of water, for instance, can lead to water scarcity and the depletion of freshwater sources, affecting both the local communities and the natural environment (Zhang et al., 2022a). More so, the increasing levels of environmental pollution have raised concerns about the sustainability of this industry. Thus, it is crucial to acknowledge the challenges posed by environmental pollution caused by tourists in coastal areas (Kumar et al., 2021; Manisalidis et al., 2020). The influx of tourists can sometimes lead to environmental pollution, which can harm the balance of these ecosystems. However, uncontrolled tourism can pose serious threats to the coastal environment, including habitat destruction, pollution, and degradation of natural resources. It can also disrupt local communities, culture, and traditional livelihoods. To mitigate these negative impacts, coastal tourism controls are implemented.

Coastal tourism controls are regulations and measures put in place to manage and regulate tourism activities in coastal areas. The goal of these regulations is to create a balance between the economic advantages of tourism and the protection of coastal populations and ecosystems. This article, *Tourists and the Impact on Contamination in the Environment* examined the importance of coastal tourist controls on tourism assets. The effective control of tourism in coastal areas may bring about environmental conservation, sustainable development, and community empowerment. Coastal tourism controls protect and preserve fragile coastal ecosystems, including coral reefs, mangroves, dunes, and coastal vegetation. These controls aim to prevent habitat destruction, minimize pollution from tourist activities, and maintain biodiversity. Controls recognize the importance of involving local communities in tourism decision-making processes. They aim to empower communities by providing opportunities for local employment, preserving cultural heritage, and promoting the well-being of coastal residents (Ji and Ding, 2024).

Many control strategies have been proposed and implemented by research scholars to address the problem. Control methods such as zoning and land-use planning involve designating specific zones for different types of tourism activities, such as recreational beaches, protected areas, and commercial developments (Wang, 2022). This measure helps to manage the intensity and location of tourism development while safeguarding sensitive ecosystems and maintaining the quality of visitor experiences. Carrying capacity is another method that is widely used for coastal tourism control (He et al., 2023). This method helps assess the tourist facility's carrying capacity to determine appropriate visitor limits, infrastructure requirements, and management strategies to ensure that tourism remains sustainable. Implementing regulations and permit systems can help control and monitor various tourism activities, including accommodation construction, waste management, water sports, and wildlife interactions (Zhang et al., 2022b).

These measures ensure compliance with environmental standards and provide a mechanism for enforcement and accountability. It is essential to educate travellers, locals, and tourism businesses about the value of responsible tourism. Education programs can promote sustainable behaviours, conservation efforts, and cultural preservation. Such programmes encourage responsible behaviour among tourists, promote respect for local customs and traditions, and enhance appreciation for coastal areas' natural and cultural values. It has become clear that mathematical models are an effective tool for comprehending, predicting, and mitigating the challenges associated with environmental pollution in coastal areas (Adjovu et al., 2023). Some of the mathematical models used in this context include the Environmental Impact Assessment (EIA) model, carrying capacity model, fuzzy model (Mehdiabadi et al., 2021), gravity models (Nadal and Gallego, 2022), predictive models, such as the time series models Matthew et al. (2021), regression models (Aziz and Niazi, 2023), and Bayesian network model.

Taizeng et al. Ren et al. (2019) measured the amount of money a nation receives in foreign visitors and used quantile regression models and autoregressive distributed lag (ARDL)

estimations to empirically investigate its effects on economic growth and environmental pollution in a sample of eight Mediterranean countries. Nguyen Nguyen (2021) studied the effects of nonlinear Autoregressive Distributed Lag (ARDL) on foreign visitor attraction as a function of money invested in tourism infrastructure components. Matthew et al. (2021) evaluated the relationship between tourism and foreign exchange profits from the sector on Nigeria's economic growth using econometric models of Johansen cointegration and fully modified ordinary least squares (FMOLS). Zhu et al. (2022) evaluated the effect of tourism on the environmental quality of China in the Quantile Autoregressive Distributed Lag model within the context of the Environment Kuznets Curve. Mehdiabadi et al. (2021) measured the satisfaction of residents in tourist destinations by using fuzzy Delphi, fuzzy SWARA and fuzzy EDAS models.

Xiong et al. (2022) used the spatial Durbin model to perform an empirical analysis of the connection between China's industry growth and the environment. Mazzoni et al. (2022) used multiple spatiotemporal scales algorithms to present an understanding of the impact of seaside tourism on water consumption in a case study coastal area in northern Italy that is usually subject to high fluctuations in the number of visitors throughout the year. More so, Metilelu et al. (2022b) used a dynamic mathematical model to simulate the changing impact of environmental pollution on coastal tourism. Shang et al. (2023) use a panel regression model, to investigate how green governance variables and carbon dioxide emissions affected ecotourism for 40 developing economies between 2010 and 2021. Chen (2023) evaluated the impact of tourism policies linked to visitor arrival, as well as economic, environmental, and nonlinear autoregressive distributed lagged (NARDL) models, on the long-term viability of tourism development in China.

Metilelu et al. (2023a) employed a non-linear normal-power regression model to simulate the development of tourism's non-linear effects on emerging market economies. By incorporating data on tourist behaviour, pollution sources, and environmental indicators, these models may provide valuable insights into the future trends of environmental pollution. In addition to these models, advanced data analytic techniques, such as machine learning programs can be utilized for the analysis of large volumes of data gathered from diverse sources. By identifying patterns and correlations, these models help us gain a deeper understanding of the complex interactions between tourists, the environment, and pollution (Sarker, 2021). To effectively tackle this issue, innovative approaches that use dynamic mathematical models to obtain a deeper understanding of the intricate relationships between pollution and coastal tourism must be employed (Ren et al., 2019; Dias et al., 2021).

There is a unique understanding of the intricate relationships between environmental factors, tourist behaviour, and the overall visitor experience. By integrating this expertise with dynamic mathematical modelling, optimal control strategies that mitigate the negative effects of pollution on coastal tourism can be developed (Bichler and Lo'sch, 2019; Lievens and Moons, 2023). Hence, in this study, we shall consider creating awareness and education of tourists, policy formulations seeking to protect the coastal ecosystem and the environment

and reducing coastal contamination as controls. This is how the remainder of the paper will be structured: The best control model will be created in section 2. Section 3 discussed about the optimal control problem’s analysis and the optimal control’s existence. Section 4 presents numerical simulations, parameter estimation, and a discussion of the findings; Section 5 presents the conclusion and recommendations.

MATERIALS AND METHODS

Formulation

In Metilelu et al. (2022b), a dynamic model describing the dynamism of Visitors (Tourists)-Resources (Tourist attraction centre)- Contamination was investigated. In practice, the Visitor-Resources-Contamination system was described by the following set of non-linear differential equations, which were examined in Metilelu et al. (2022b):

$$\left. \begin{aligned} \frac{d}{dt} V(t) &= \beta \left(1 - \frac{V(t)}{K} \right) V(t) - dV(t), \\ \frac{d}{dt} R(t) &= \alpha \left(1 - \frac{R(t)}{K} \right) R(t) - \theta C(t)R(t), \\ \frac{d}{dt} C(t) &= \theta C(t)R(t) + c_1 C(t) - c_2 C(t) \end{aligned} \right\} \quad (1)$$

$V(t)$, $R(t)$, and $C(t)$ denote the number of tourists (visitors), local attraction centres and tourist interest. Specifically, the Visitor-Resources-Contamination scenario was examined in terms of a specific set of non-linear differential equations: The term $\beta \left(1 - \frac{V(t)}{K} \right) V(t)$ denotes the logistic growth, wherein advertisements or word-of-mouth persuade visitors to the tourist destination at the rate β , K ($0 < K \leq I$) is the capacity of the tourist centre. Tourism flow is decreased through negative word-of-mouth/advertisement at the rate d , where the authors assumed $\beta > rd$. The term $\alpha \left(1 - \frac{R(t)}{K} \right) R(t)$ explain the increase in tourism resources $R(t)$, where α represents $R(t)$ ’s intrinsic growth rate. Degradation of tourism resources due to increased resource contamination is accounted for by the factor $\theta C(t)R(t)$, with degradation of tourist attraction resulting from resource contamination occurring at a rate θ . The environment’s natural contamination and tourism resources may deteriorate at a constant rate of c_1 due to an increase in human and tourist activity, while the rate at which the contamination is cleared is thought to be c_2 . The study in Metilelu et al. (2022b) found that environmental pollution can be increased by the rates of degradation θ and contamination c_1 . This can result in a decline in physical capital and environmental quality as well as hinder the growth of the

economy. The study concludes that to maintain coastal tourism, prompt pollution prevention and clearance would be necessary.

Consequently, the following interventions: creating adequate awareness/campaign ($u_1(t)$), ecological control ($u_2(t)$), and Clearance of contamination ($u_3(t)$) are suggested to control pollution in coastal areas. The choice of interventions is influenced by the level of pollution in the area.

Awareness/Campaign

Coastal pollution can have significant economic consequences, particularly for coastal towns reliant on tourism. Awareness campaigns can emphasize the economic benefits of preserving clean and healthy coastal environments, encouraging businesses and governments to invest in pollution control measures. Awareness campaigns can play a crucial role in controlling pollution in coastal areas by educating and mobilizing communities, businesses, and governments to take action. Awareness campaigns can raise public understanding of the environmental issues facing coastal areas, such as plastic pollution, oil spills, and sewage discharge. By providing accurate information, people become more conscious of their actions and how they contribute to pollution. Campaigns can encourage individuals to reduce single-use plastics, properly dispose of waste, and use eco-friendly products. The effects of positive word-of-mouth and advertisement β have a significant impact on tourists and destinations, while negative word-of-mouth d can be detrimental to tourists seeking to visit tourist attraction centres. Positive word-of-mouth generates enthusiasm and excitement among potential tourists, sparking their interest in visiting the destination, as shown in Figure 1(a). When potential tourists hear negative feedback or reviews about a destination, it can influence their perceptions and choices not to visit the tourist attraction centre (see Figure 1(b)). Creating awareness about negative word-of-mouth and taking proactive steps to address issues can lead to positive outcomes for tourists, the destination, and the tourism industry. It demonstrates a commitment to customer satisfaction and reinforces the destination's reputation as a responsible and responsive place for visits.

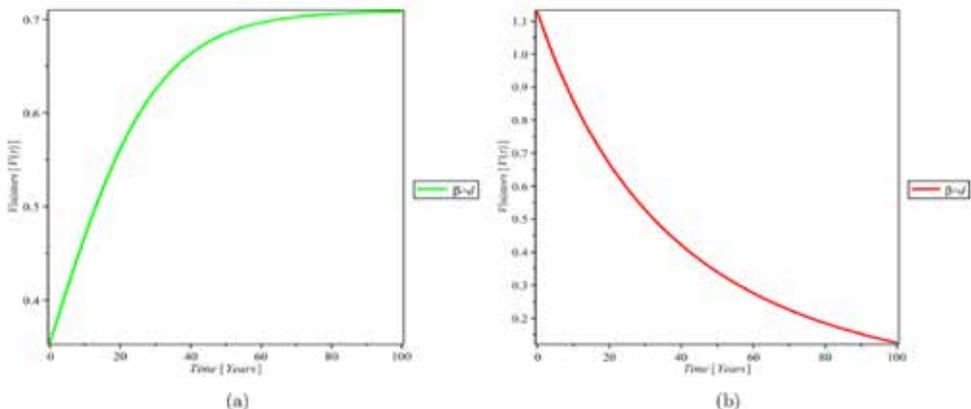


Figure 1: Graphical illustration of the effect of negative word-of-mouth (d) on tourists $V(t)$

Ecological Control

Ecological control, also known as ecological restoration or ecosystem-based approaches, can have a significant impact on controlling pollution in coastal areas. Unlike conventional engineering solutions that often focus on isolated interventions, ecological control takes a holistic approach by leveraging the natural processes and functions of ecosystems to address pollution. Coastal ecosystems like mangroves, salt marshes, and sea-grass beds act as natural filters, trapping and absorbing pollutants from the water. By conserving and restoring these ecosystems, we can enhance their pollution control capabilities. Coastal vegetation, such as mangroves and seagrasses, can stabilize sediments and prevent erosion. This reduces the runoff of sediment-bound pollutants, like heavy metals and nutrients, into the coastal waters. Ecological control emphasizes sustainable practices, reducing the stress on coastal ecosystems caused by over-exploitation and pollution. This ensures the long-term health and productivity of coastal areas. The effects of degradation on the growth rate of tourist resources are generally not desirable. Degradation of tourist resources can significantly impact the rate tourist resources attract and retain tourists, as shown in Figures 2(a) and 2(b). Figure 2(a) suggests that when the rate of degradation in tourist resources θ is less than the intrinsic growth rate of resources α , the tourist attraction is in a good state and can attract more tourists. However, when $\theta > \alpha$, it implies that the degradation of the tourist resources is significant and may lead to reduced attractiveness of the tourist centre, decreased repeat visits, impact on carrying capacity, environmental and cultural loss, negative word-of-mouth, and negative economic impact amongst others. To mitigate the effects of degradation on tourist resources, sustainable tourism practices and responsible management through ecological controls are essential. By preserving and protecting natural and cultural attractions, destinations can maintain their appeal and ensure long-term economic and environmental benefits.

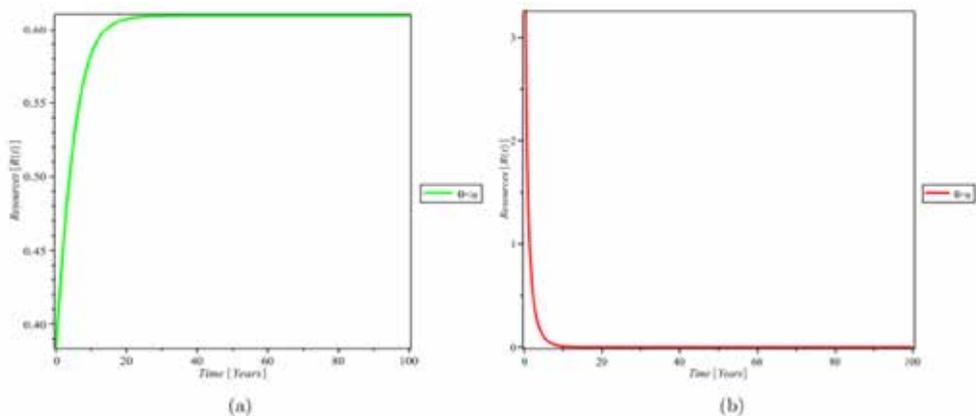


Figure 2: Graphical illustration of the effect of degradation (θ) on tourist resources $R(t)$

Clearance of contamination

Clearance of contamination can have a significant impact on controlling pollution in coastal areas. When pollution sources are identified and properly addressed through clearance and remediation efforts, it helps improve the overall health and ecological integrity of coastal ecosystems. Cleanup of contamination helps to remove or neutralize pollutants from the environment. This directly reduces the presence of harmful substances in coastal waters, sediments, and soils, minimizing their adverse effects on marine life and human health. Many coastal species, including birds, marine mammals, and turtles, rely on healthy coastal habitats for nesting, feeding, and breeding. Clearance of contamination safeguards these critical habitats and protects vulnerable wildlife populations. It's important to note that clearance of contamination is often a challenging and resource-intensive process, especially in coastal areas with complex ecosystems and multiple pollution sources. Thus, it is cogent to use a comprehensive and collaborative method involving governments, local communities, environmental organizations, and businesses to effectively control pollution in coastal areas through clearance and remediation efforts.

Clearance, in the context of coastal areas, typically refers to the removal of pollutants or waste materials from the environment. The effects of cleaning on pollution in coastal areas may be significant and beneficial for the marine ecosystem and human populations. It is crucial to undertake clearance efforts in a well-planned and sustainable manner, using environmentally friendly methods to minimize any potential negative impacts on the ecosystem during the cleanup process. Long-term monitoring and continued efforts to prevent pollution are equally essential to ensure the lasting benefits of clearance in coastal areas. In Figure 3(a), it is observed that the clearance rate of pollution $c_2 \geq 0.23$ for proper clearance while it is not effective if $c_2 < 0.23$, thus leading to increased contamination (Figure 3(b)). Figure 4 depicts the relationship between tourist resources $R(t)$ and contamination $C(t)$ in the environment. The relationship revealed that increased contamination will result in a significant degradation of tourist resources.

Optimal Control Problem

The primary goal of this study is to ascertain how these interventions affect coastal area pollution and lower the contamination threshold below unity. As a result, an ideal control model is developed, featuring time-dependent controls $0 < u_1(t), u_2(t), u_3(t) < 1$, where

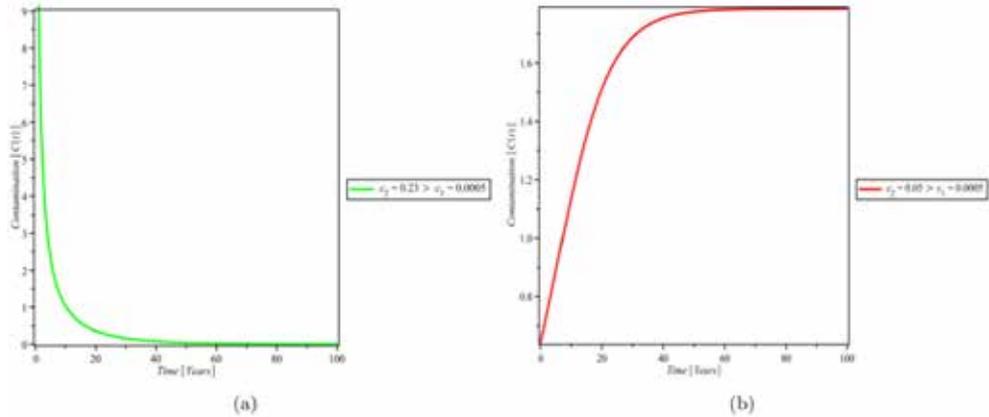


Figure 3: Graphical illustration of the effect of clearance on contamination $C(t)$

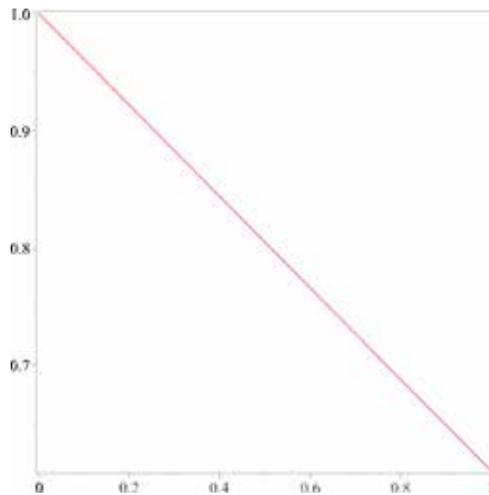


Figure 4: Graphical relationship between tourist resources $R(t)$ and contamination $C(t)$ due to pollution

- u_1 is the awareness campaign controlled time.
- u_2 is the preventive controlled time using ecological controls
- u_3 is the time control due to clearance of contamination in the environment.

Therefore, the following non-autonomous system describes the optimal control model:

$$\left. \begin{aligned} \frac{d}{dt} V(t) &= \beta \left(1 - \frac{V(t)}{K} \right) V(t) - u_1(t) dV(t), \\ \frac{d}{dt} R(t) &= a \left(1 - \frac{R(t)}{K} \right) R(t) - (1 - u_1(t) \theta C(t)) R(t), \quad 0 < U < 1, f \text{ or } (u_1, u_2, u_3) \in U \\ \frac{d}{dt} C(t) &= (1 - u_1(t) \theta C(t)) R(t) + u_1 C(t) - u_3(t) C(t) \end{aligned} \right\} \quad (2)$$

We seek to find controls $u_1(t), u_2(t), u_3(t), u_4(t)$ and $u_5(t)$ that minimizes the total number of tourists discouraged not to visit the tourist centre, degradation of tourist resources and reduction in contamination while lowering the difference between them. Therefore, a function that minimizes the objective $J(u_1, u_2)$ is defined such that

$$J(u_1(t), u_2(t), u_3(t)) = \int_0^{t_f} (W_1 V(t) + W_2 R(t) + W_3 C(t) + W_4 u_1^2(t) + W_4 u_2^2(t) + W_4 u_3^2(t)) dt \quad (3)$$

subject to the non-autonomous system (2), t_f represents the final time in this case. The goal function considers the overall number of visitors, the resources available to tourists, and the level of contamination concerning the expense of putting the controls in place. the following: $u_1(t), u_2(t)$, and $u_3(t)$. Since the literature Oke et al. (2020) has employed quadratic objective functions to measure intervention costs, we follow suit in this study. To balance the weights, the positive coefficients W_1, W_2, W_3, W_4, W_5 , and W_6 were carefully selected. Functions that are bounded and Lebesgue integral are the controls $u_1(t), u_2(t)$, and $u_3(t)$. Finding the best control is the main goal here (u_1^*, u_2^*, u_3^*) , such that

$$J(u_1^*, u_2^*, u_3^*) = \min_{J(u_1, u_2, u_3)} (u_1^*, u_2^*, u_3^* \in U) = \{u_1(t), u_2(t), u_3(t): 0 \leq u_1(t), u_2(t), u_3(t) \leq 1\}, \quad (4)$$

where $t \in [0, t_f]$.

The corresponding state variables and the three optimal controls are required to satisfy certain necessary conditions. We will use the Pontryagin's maximum principle Pontryagin (2018), which was introduced in Flemings and Rishel Fleming and Rishel (2012), to determine the prerequisites that an ideal control and the states system that go along with it must meet.

Existence of an Optimal Control

The following Hamiltonian connects the controls u_1, u_2 , and u_3 to the objective functional and the adjoint variables:

$$H = W_1 V + W_2 R + W_3 C + W_4 u_1^2 + W_5 u_2^2 + W_6 u_3^2 + \lambda_1 V' + \lambda_2 R' + \lambda_3 C' \quad (5)$$

where $\lambda_i, i = 1, 2, 3$ are the adjoint variables. The adjoint variables are calculated by taking the

partial derivatives of the Hamiltonian with respect to the corresponding state variable. The adjoint and the control characterization are presented in the following theorem:

Theorem 1. *Given an ideal control u_1^* , For any u_2^*, u_3^* and the corresponding state variable solutions (V, R, C) of system (2), the following equation holds for the adjoint variables $\lambda_i \in R_+^3, i = 1, 2, 3$:*

$$\frac{\theta_k}{t} = - \frac{\partial H}{\partial u_k}, \tag{6}$$

where $k = V, R, C$ and with the transversality conditions $\lambda_1(t_f) = \lambda_2(t_f) = \lambda_3(t_f) = 0$. The controls u_1^*, u_2^* , and u_3^* satisfy the following optimality conditions

$$\left. \begin{aligned} u_1^* &= \frac{Vd\lambda_1}{2W_4}, \\ u_2^* &= \frac{\theta CR(\lambda_2 - \lambda_3)}{2W_5}, \\ u_3^* &= \frac{C \lambda_3}{2W_6}, \end{aligned} \right\}, \tag{7}$$

The proof of Theorem is provided in Appendix A.

The optimal control problem has an optimal control u^* , as demonstrated by the following theorem.

Theorem 2. *Abidemi et al. (2022) Given the objective functional J defined on the control set U , and subject to the state system with positive initial conditions at $t = 0$, there exists an optimal control u_1^*, u_2^* , and u_3^* such that $J(u_1^*, u_2^*, u_3^*) = \min \{J(u_1, u_2, u_3) : u_1, u_2, u_3 \in U\}$ holds when the following properties are satisfied:*

- (i) *The admissible control set U is convex and closed*
- (ii) *The state system is bounded by a linear function in the states and control variables*
- (iii) *The integrand of the objective functional J in (3) is convex in respect of the control*
- (iv) *The Lagrangian is bounded below by*

$$a_0(lu^2)^{\frac{a_2}{2}} - a_1$$

for constants $a_0, a_1 < 0$ and $a_2 < 1$.

The proof of Theorem 2 is given in Appendix B.

RESULTS

The purpose of this section is to provide a numerical illustration of the empirical findings from the model analysis. The parameter values and their sources are shown in Table 1. To examine the effect of the recommended control measures on pollution in coastal areas, we simulate various combinations of them in the following. As a result, we will investigate the following scenarios through simulation:

- (i) Using one (1) control only.
- (ii) Possible combinations using two (2) controls only.
- (iii) Possible combinations using all three (3) controls.

In order to run the simulation, we made the assumption that the controls' weight functions, W_i , $i = 4, 5, 6$, are unity. Table 1 provides the initial values for the parameter values as well.

Table 1: Baseline parameter values of the model

SN	Parameters	Description	Base value	Reference
1	β	Rate of influencing tourists by word-of-mouth/advertisement	0.0942	Metilelu et al. (2022b)
2	K	Tourist centres carrying capacity	1	Metilelu et al. (2022b)
3	d	Tourists inflow decreasing rate	0.0274	Metilelu et al. (2022b)
4	α	Resources intrinsic growth rate	0.419	Metilelu et al. (2022b)
5	θ	Tourist attraction degradation rate due to contamination	0.1635	Metilelu et al. (2022b)
6	c_1	Natural contamination rate in the environment	0.0005	Metilelu et al. (2022b)
7	c_2	Clearing/removal rate of contamination	0.5001	Metilelu et al. (2022b)

Next, we go over the different outcomes of the simulations:

Optimal Awareness Campaign (u_1)

By employing this tactic, we maximize the objective function by utilizing the controls u_1 when $u_2 = u_3 = 0$. Figure 5(a) illustrates that, in the absence of control, the number of visitors is deterred by unfavourable rumours that spread to the affected humans. The contrary is the case when there is control, as we have a decrease in the number of tourists discouraged by negative word-of-mouth. The control $u_1(t)$ does not have an impact on tourist resources $R(t)$ and contamination $C(t)$ as depicted respectively in Figures 5(b) and 5(c). Figure 5(d) is the performance profile of control $u_1(t)$.

Optimal Ecology Control (u_2)

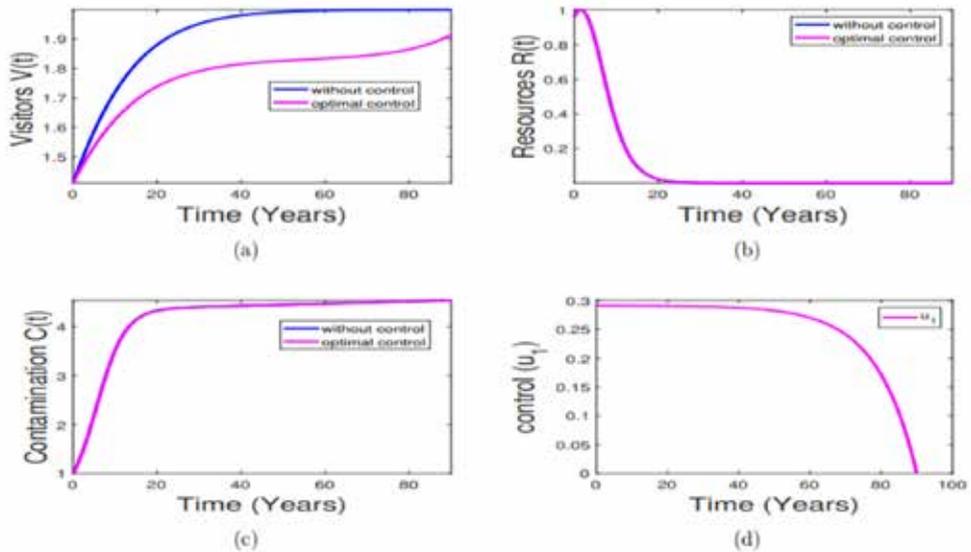


Figure 5: The impact of the optimal control u_1 on visitors, resources, and contamination

In this case, we simulated only u_2 provided other controls, however, remain at zero. Precisely, it can be noticed from Figure 6(b) that the intervention strategy leads to a stable tourist resource for 80 years before sharply declining as a result of not sustaining the control strategy as against a significant degradation of tourist resources observed in the uncontrolled case. With the control in place, from Figure 6(c), the contamination was significantly kept low at a constant level until after 80 years before a sharp rise is witnessed, while in the uncontrolled case, the contamination persists in the coastal area. It can be seen in Figure 6(a) that this particular control does not affect the visitors. The control profile u_2 proved to be effective for 80 years before declining suddenly as depicted in Figure 6(d). This sudden decline in the control may be due to a lack of sustenance.

Optimal Clearance (u_3)

Using this optimal clearance strategy, Figure 7(b) shows that the degradation of tourist resources is significant, resulting in good condition of the attraction centre as seen in Figure 7(b) while the degradation in the tourist resources increases in the uncontrolled case. Contamination in the absence of no control is significantly higher when compared to the control (See Figure 7(c)). In Figure 7(a), the control does not affect the visitors. The performance of the control u_3 , is shown in Figure 7(d).

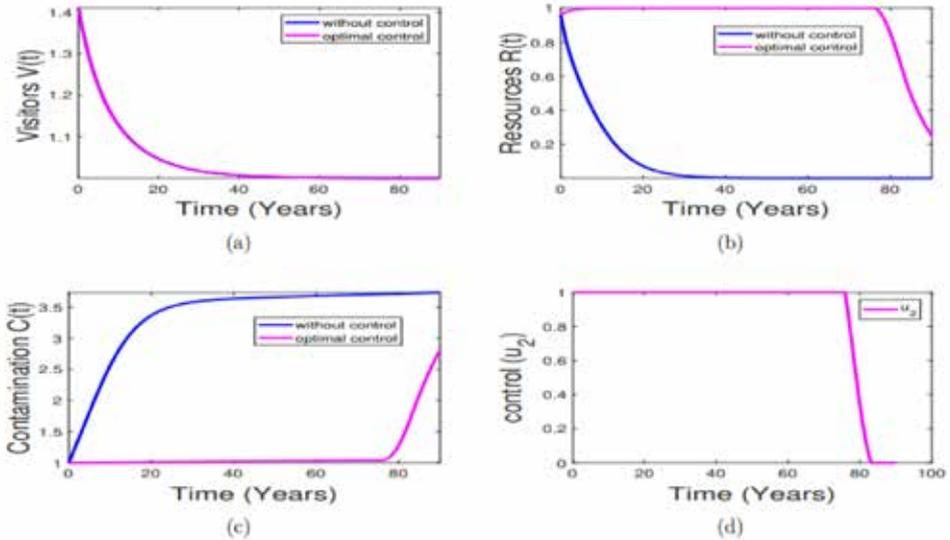


Figure 6: The impact of the optimal control u_2 on visitors, resources, and contamination

Optimal Awareness (u_1) and Ecological Control (u_2)

When an optimal strategy is in place, The amount of tourists discouraged in the controlled versus the uncontrolled groups varies significantly. We see from Figure 8(b) that the intervention strategy leads to stable tourist resources for 80 years before sharply declining due to the non-sustenance of the control strategy as against a significant degradation of tourist resources observed in the uncontrolled case. With the control in place, from Figure 8(c), the contamination is reduced at a constant level, while in the uncontrolled case, the contamination persists in the tourist area. It can be seen in Figure 8(a) that this particular control does not affect the visitors. The control profiles u_1 and u_2 shown in Figure 8(d).

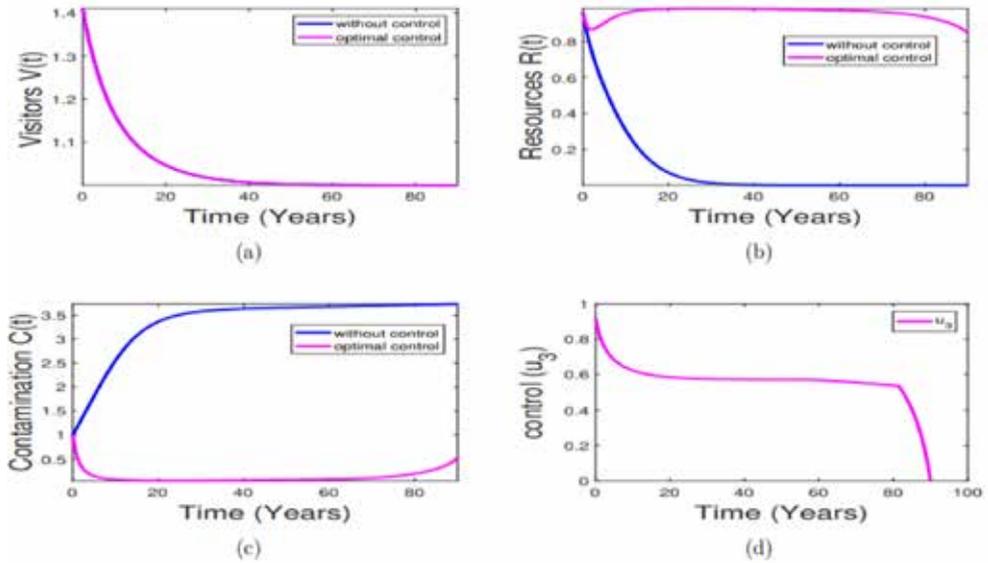


Figure 7: The impact of the optimal control u_3 on visitors, resources, and contamination

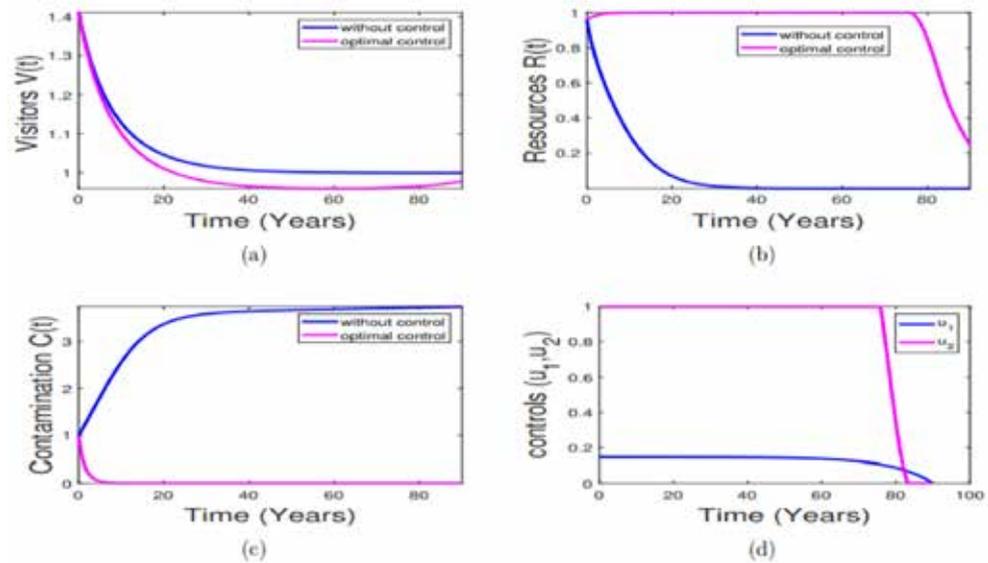


Figure 8: The impact of the optimal control u_1 and u_2 on visitors, resources, and contamination

Clearance (u_3)

In Figure 9(b) and Figure 9(c), When this strategy is used, visitor resources and contamination significantly increase and decrease, respectively, in contrast to the uncontrolled case's observations of decreased tourist resources and increased contamination. It can be seen that the strategy waned after 80 years. Also, in Figure 9(a), the number of tourists dissuaded by negative word-of-mouth decreases when this is applied compared to the uncontrolled case. In Figure 9(d), both controls u_1 and u_3 both converge after 80 years, though the performance of u_1 is higher than u_3 .

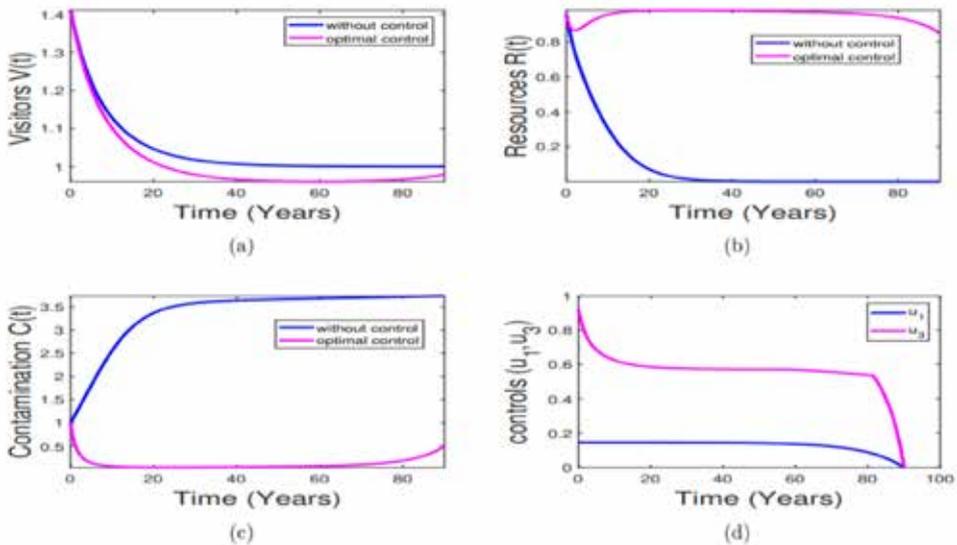


Figure 9: The impact of the optimal control u_1 and u_3 on visitors, resources, and contamination

Optimal Ecological Control (u_2) and Clearance (u_3)

In this case, the objective function is optimized with the controls u_2 and u_3 in conjunction with other controls $u_1 = 0$. After this strategy was put into practice, Figures 10(b) and 10(c) showed that, while tourist attractions and contamination from the uncontrolled case decreased and increased, they also showed significant increases and decreases in both cases. Figure 10(a) shows that the strategy does not impact the number of visitors discouraged by negative word-of-mouth because of lack of awareness $u_1 = 0$. Figure 10(d) shows the control profiles' performance.

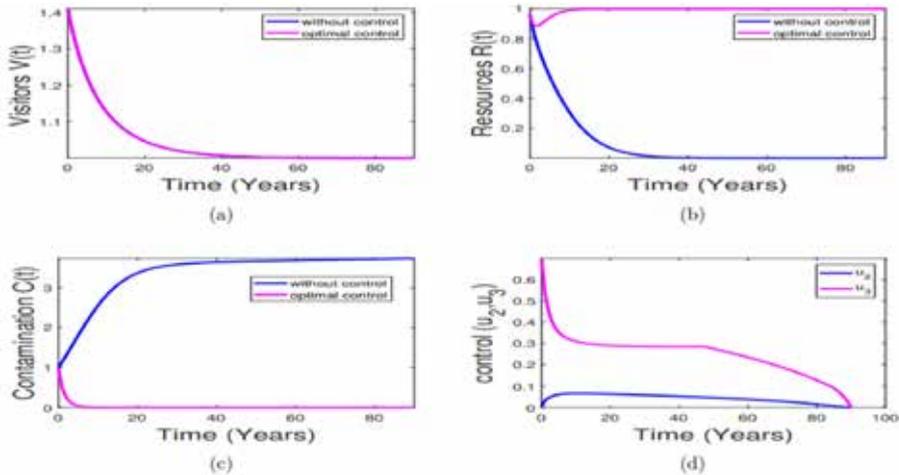


Figure 10: The impact of the optimal control u_2 and u_3 on visitors, resources, and contamination

Optimal Awareness (u_1), Ecological Control (u_2) and Clearance (u_3)

In this instance, the objective function is optimized using the three controls u_1 , u_2 , and u_3 . That turned out to be the best tactic (Figures 11(b) and 11(c)), tourist resources and contamination increase and decrease significantly at a steady level when the controls are in place, while the contrary is the case with no controls. The strategy shown in Figure 11(a) suggests that the number of visitors discouraged by negative word-of-mouth is small when no strategy is available. Figure 11(d) shows the control profiles' performance.

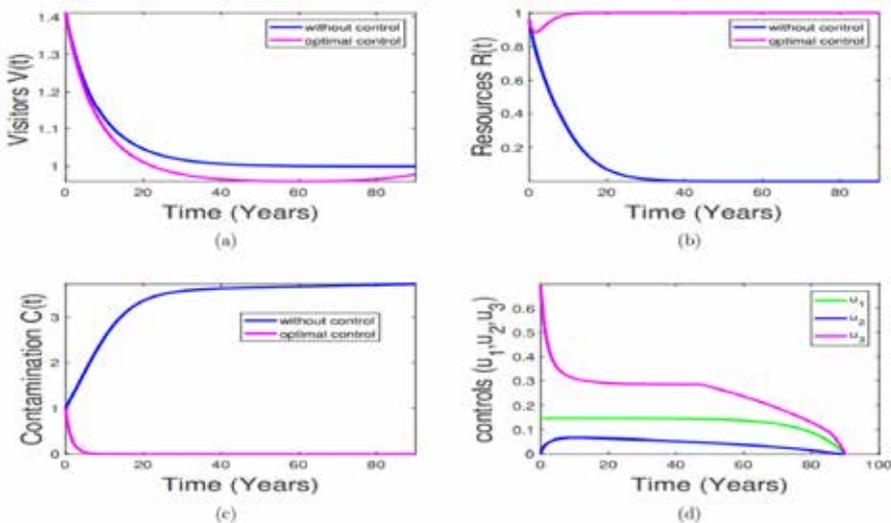


Figure 11: The impact of the optimal control u_1 , u_2 and u_3 on visitors, resources, and contamination

DISCUSSION

Policy Implication

- **Strengthening Regulatory Frameworks:** The findings of this study underscore the need for robust regulatory frameworks to govern coastal tourism activities and environmental pollution control in Nigeria. Policymakers should prioritize the enforcement of existing environmental laws and regulations, while also considering the development of new policies tailored to the unique challenges of coastal areas. Regulatory agencies should be empowered with adequate resources and enforcement mechanisms to monitor compliance and address instances of pollution effectively.
- **Integrated Coastal Zone Management:** Effective pollution control in coastal tourism destinations requires an integrated approach to coastal zone management. Policymakers should adopt integrated coastal zone management (ICZM) principles, which emphasize holistic and participatory approaches to managing coastal resources and balancing competing interests. Collaboration among government agencies, local communities, tourism operators, and other stakeholders is essential for coordinating efforts, minimizing conflicts, and maximizing the sustainability of coastal tourism development.
- **Investment in Infrastructure and Technology:** Adequate infrastructure and technology are critical for implementing pollution control measures in coastal tourism destinations. Policymakers should prioritize investment in wastewater treatment facilities, solid waste management systems, recycling infrastructure, and pollution monitoring technologies. Public-private partnerships and international cooperation can facilitate technology transfer, capacity building, and knowledge sharing to enhance the effectiveness of pollution control initiatives.
- **Public Awareness and Education:** Public awareness and education play a crucial role in promoting environmental stewardship and sustainable tourism practices. Policymakers should launch public awareness campaigns to educate tourists, local communities, and businesses about the importance of environmental conservation, responsible tourism behavior, and the impacts of pollution on coastal ecosystems. Environmental education programs should be integrated into school curricula and targeted outreach efforts to raise awareness and foster a culture of environmental responsibility.
- **Sustainable Tourism Development:** Sustainable tourism development is essential for balancing economic growth with environmental protection and social equity. Policymakers should promote sustainable tourism practices that minimize environmental impact, maximize community benefits, and contribute to the long-term well-being of coastal communities. This may include promoting eco-friendly tourism initiatives, supporting community-based tourism enterprises, and diversifying tourism offerings to reduce pressure on fragile coastal ecosystems.
- **Research and Monitoring:** Continued research and monitoring are essential for assessing the effectiveness of pollution control measures, tracking changes in environmental quality, and informing adaptive management strategies. Policymakers should allocate resources for scientific research, data collection, and monitoring programs to support

evidence-based decision-making and policy formulation. Collaboration with academic institutions, research organizations, and international partners can enhance capacity building and knowledge exchange in coastal environmental management.

Overall, the policy implications outlined in this study emphasize the importance of proactive and coordinated action to address environmental pollution in coastal tourism destinations in Nigeria. By implementing comprehensive pollution control strategies and promoting sustainable tourism practices, policymakers can safeguard coastal ecosystems, preserve natural resources, and promote inclusive and resilient coastal tourism development for the benefit of present and future generations.

CONCLUSION

This work considered a mathematical model on the dynamic relationship between Visitor-Resources-Contamination in coastal tourism. Coastal tourism, if well managed, may bring significant economic benefits to local communities, as it generates revenue through accommodation, dining, and various recreational activities. However, it also raises concerns about pollution, sustainability, environmental impact, and preservation of fragile coastal ecosystems. Effective coastal tourism practices focus on minimizing negative effects and conserving these precious natural resources for future generations. Thus, to examine its influence on the dynamics of Visitors-Resources-Contamination in coastal areas, an optimal control problem incorporating time-dependent preventive awareness/campaign ($u_1(t)$), ecological control ($u_2(t)$), and contamination clearance ($u_3(t)$) is needed. An investigation is conducted into the presence of an ideal and characterization of the controls. The Pontryagins Maximum Principle serves as the foundation for the analysis of the optimal control problem.

According to the findings, it is advised to use all three of the (3) controls (u_1, u_2, u_3) to reduce pollution and contamination in coastal areas. Our study showed that the combination of (u_1, u_2) and (u_1, u_3) is sufficient to reduce pollution in coastal areas in resource-poor areas. This study is consistent with that of Papageorgiou (2019), who created a sufficient and effective model for coastal tourism. He concluded that in order to develop a coastal area sustainably, all stakeholders must be involved, and the state must be strongly committed to ensuring widespread participation and consensus. Additionally, he mentioned that tourism sustainability is a continuous process that calls for careful impact monitoring and the adoption of all necessary measures to prevent, suppress, and/or correct any emerging problems on a case-by-case and daily basis.

The research of Sun and Liu (2020), which examined the effects of tourism-related activities on water pollution in coastal areas, also lends support to this study. Their findings indicated a positive correlation between the number of tourists and tourism-related waste in the West Lake Basin, and the reasons for the rise in water pollution in the basin were that the government pursued the economic benefits of tourism unilaterally, ignoring the pollution that

tourism-related activities brought about. Additionally, Oloyede et al. (2022) used the analytical hierarchical approach to quantify and classify the susceptibility of the Nigerian coastline to various threats. They came to the conclusion that coastal planners should identify vulnerable segments within the coastal areas and mitigate any harm to the area. Chukwuone et al. (2022) study, which examined the factors influencing household waste disposal habits and willingness to take action to stop the flow of plastics into the ocean using data from Lagos, Nigeria, a coastal city, is another study that addresses ocean pollution. It suggests that waste management resources, such as dumpsters, be made available to curb illegal waste disposal by providing well-packaged information about plastic pollution in coastal areas.

The modeling framework presented in this study recommends key components of pollution control, including waste management, wastewater treatment, pollution monitoring, and regulatory enforcement. By analyzing the interactions between tourism activities, pollution sources, environmental receptors, and mitigation measures, the model offers insights into the effective-ness and cost-efficiency of different pollution control strategies. Through scenario analysis and sensitivity testing, policymakers and stakeholders can identify optimal interventions and prioritize resources to achieve desired environmental outcomes. The findings of this study underscore the importance of proactive environmental management in sustaining coastal tourism development in Nigeria. By implementing the proposed pollution control strategy, policymakers can address the root causes of pollution, enhance environmental resilience, and promote sustainable tourism practices. Collaboration among government agencies, private sector stakeholders, local communities, and international partners is essential for effective implementation and enforcement of pollution control measures.

Furthermore, this study emphasizes the need for ongoing research and monitoring to assess the effectiveness of pollution control measures, track changes in environmental conditions, and adapt management strategies to evolving challenges. Continuous engagement with stakeholders and the integration of local knowledge and community perspectives are critical for ensuring the relevance and legitimacy of environmental management initiatives. In summary, the modeling framework presented in this study provides a valuable tool for guiding decision-making and policy formulation in the context of coastal tourism environmental management in Nigeria. By adopting a proactive and holistic approach to pollution control, Nigeria can safeguard its coastal resources, preserve biodiversity, and promote sustainable tourism development for the benefit of present and future generations.

In conclusion, this study has explored the development of a comprehensive environmental pollution control strategy tailored to the specific context of coastal tourism in Lagos Nigeria. Environmental pollution poses significant challenges to the sustainability and viability of coastal tourism destinations, threatening ecological integrity, public health, and socio-economic well-being. Through the application of mathematical modelling techniques and environmental management principles, this study has proposed a systematic approach to mitigating pollution and preserving the environmental quality of coastal areas. To sum up, this study has given rise to a mathematical understanding of the dynamics of optimal control

over coastal tourism by taking ecological elements, awareness, and contamination removal into account as interventions. As a suggestion for future research, the sustainability and cost-effectiveness analysis of the controls would be a basis for further studies.

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Data Availability Statement

The data and material used for this study had already been used by Metilelu et al. (2022). It is the number of international tourists arrival to Nigeria from 1995 to 2016. The data was collected from World Bank database (2021) (<https://data.worldbank.org/indicator>).

REFERENCES

- Abidemi, A., Olaniyi, S., and Adepoju, O. A. (2022). An explicit note on the existence theorem of optimal control problem. In *Journal of Physics: Conference Series, volume 2199*, pages 1–6. IOP Publishing.
- Adjovu, G. E., Stephen, H., James, D., and Ahmad, S. (2023). Overview of the application of remote sensing in effective monitoring of water quality parameters. *Remote Sensing*, 15(7):1938.
- Amalare, A. A., Sogunro, S. O., and Ekum, M. I. (2020). Impact of tourism development on employment in south west nigeria. *Developing Economy Journal*, 6(4):1–21.
- Aziz, S. and Niazi, M. A. K. (2023). Understanding environmentally responsible behavior of tourists at coastal tourist destinations. *Social Responsibility Journal*.
- Bichler, B. F. and Lo¨sch, M. (2019). Collaborative governance in tourism: Empirical insights into a community-oriented destination. *Sustainability*, 11(23):6673.
- Chen, Q. (2023). The impact of economic and environmental factors and tourism policies on the sustainability of tourism growth in china: evidence using novel nardl model. *Environmental Science and Pollution Research*, 30(7):19326–19341.
- Chukwuone, N. A., Amaechina, E. C., and Ifelunini, I. A. (2022). Determinants of household's waste disposal practices and willingness to participate in reducing the flow of plastics into the ocean: Evidence from coastal city of lagos nigeria. *PLoS ONE*, 17(4):e0267739.

- Dias, A. ., Aldana, I., Pereira, L., da Costa, R. L., and Antonio, N. (2021). A measure of tourist responsibility. *Sustainability*, 13(6):3351.
- Fleming, W. H. and Rishel, R. W. (2012). *Deterministic and stochastic optimal control*, volume 1. Springer Science & Business Media.
- Gössling, S., Scott, D., and Hall, C. M. (2020). Pandemics, tourism and global change: a rapid assessment of covid-19. *Journal of sustainable tourism*, 29(1):1–20.
- He, H., Shen, L., Wong, S. W., Cheng, G., and Shu, T. (2023). A “load-carrier” perspective approach for assessing tourism resource carrying capacity. *Tourism Management*, 94:104651.
- Jafari, K., Öz duran, A., and Saydam, M. B. (2021). Hospitality and tourism industry amid covid-19 pandemic: voices from small mediterranean town. *International Hospitality Re-view*.
- Ji, X. and Ding, X. (2024). Analysis on the relationship between coastal tourism and marine pollution: an empirical analysis of china’s 11 coastal regions. *Front. Mar.*, 11:1471467.
- Kumar, R., Verma, A., Shome, A., Sinha, R., Sinha, S., Jha, P. K., Kumar, R., Kumar, P., Shubham, Das, S., et al. (2021). Impacts of plastic pollution on ecosystem services, sustainable development goals, and need to focus on circular economy and policy interventions. *Sustainability*, 13(17):9963.
- Kumar, V. (2018). Emerging trends in the sociology of tourism. *Sociology International Journal*, 2(3):225–237.
- Lievens, A. and Moons, I. (2023). A systemic approach of communication in multiple stakeholder settings: challenges and future research directions from a multidisciplinary perspective. *International Journal of Advertising*, 42(1):201–226.
- Mamirkulova, G., Mi, J., Abbas, J., Mahmood, S., Mubeen, R., and Ziapour, A. (2020). New silk road infrastructure opportunities in developing tourism environment for residents better quality of life. *Global Ecology and Conservation*, 24:e01194.
- Manisalidis, I., Stavropoulou, E., Stavropoulos, A., and Bezirtzoglou, E. (2020). Environmental and health impacts of air pollution: a review. *Frontiers in public health*, 8:14.
- Matthew, O. A., Ede, C., Osabohien, R., Ejemeyovwi, J., Ayanda, T., and Okunbor, J. (2021). Interaction effect of tourism and foreign exchange earnings on economic growth in nigeria. *Global Business Review*, 22(1):7–22.
- Mazzoni, F., Marsili, V., Alvisi, S., and Franchini, M. (2022). Exploring the impacts of tourism and weather on water consumption at different spatiotemporal scales: evidence from a coastal area on the adriatic sea (northern italy). *Environmental Research: Infrastructure and Sustainability*, 2(2):025005.

- Mehdiabadi, A., Wanke, P. F., Khorshid, S., Spulbar, C., and Birau, R. (2021). A new hybrid fuzzy model: Satisfaction of residents in touristic areas toward tourism development. *Mathematical Problems in Engineering*, 2021:1–21.
- Metilelu, O., Ekum, M., and Toki, E. (2023a). Modelling the non-linear effects of tourism development on emerging market economies using normal-power model. *Scientific African*, page e01731.
- Metilelu, O., Ekum, M., Toki, E., and Olasokan, O. (2022a). Recreation participation and conservation tourist attitudes of local tourists of ikorodu, lagos, nigeria. *Journal of Research in Hospitality and Tourism Management*, 4.
- Metilelu, O. O., Adeniyi, M. O., and Ekum, M. I. (2022b). Modelling the dynamic effect of environmental pollution on coastal tourism in nigeria. *Scientific African*, page e01364.
- Metilelu, O. O., Omodehin, A. O., Salako, O. F., and Ekum, M. I. (2023b). Unveiling the dilemma of sustainable tourism development in nigeria: A study of agbowo, ikorodu, lagos state. *American Journal of Tourism Management*, 12(1):1–9.
- Nguyen, Q. H. (2021). Impact of investment in tourism infrastructure development on attracting international visitors: A nonlinear panel ardl approach using vietnam's data. *Economies*, 9(3):131.
- Oke, S. I., Ojo, M. M., Adeniyi, M. O., and Matadi, M. B. (2020). Mathematical modeling of malaria disease with control strategy. *Commun. Math. Biol. Neurosci.*, 2020:Article–ID.
- Oloyede, M. O., Williams, A. B., Ode, G. O., and Benson, N. U. (2022). Coastal vulnerability assessment: A case study of the nigerian coastline. *Sustainability*, 14:2097.
- Papageorgiou, A. N. (2019). Developing a sufficient and effective coastal tourism model. *Toleho Journal of Tourism, Leisure and Hospitality*, 1(1):29–34.
- Pontryagin, L. S. (2018). *Mathematical theory of optimal processes*. Routledge.
- Raphela, T., Manqele, N., and Erasmus, M. (2024). The impact of improper waste disposal on human health and the environment: a case of umgungundlovu district in kwazulu natal province, south africa. *Front. Sustain*, 5:1386047.
- Ren, T., Can, M., Paramati, S. R., Fang, J., and Wu, W. (2019). The impact of tourism quality on economic development and environment: Evidence from mediterranean countries. *Sustainability*, 11(8):2296.
- Rossello Nadal, J. and Santana Gallego, M. (2022). Gravity models for tourism demand modeling: Empirical review and outlook. *Journal of Economic Surveys*, 36(5):1358–1409.
- Sarker, I. H. (2021). Machine learning: Algorithms, real-world applications and research directions. *SN computer science*, 2(3):160.

- Shang, Y., Bi, C., Wei, X., Jiang, D., Taghizadeh-Hesary, F., and Rasoulinezhad, E. (2023). Eco-tourism, climate change, and environmental policies: empirical evidence from developing economies. *Humanities and Social Sciences Communications*, 10(1):1–9.
- Sun, Q. and Liu, Z. (2020). Impact of tourism activities on water pollution in the west lake basin (hangzhou, china). *Open Geosciences*, 12(1):1302–1308.
- Ugwukah, A. and Obomanu, V. S. O. (2020). Tourism and economic development in nigeria: A critical assessment of the obudu mountain resort, cross river state. *Journal of Tourism, Hospitality and Sports*.
- Wang, M. (2022). *Specific Zoning and Land Use Pattern*, pages 89–109. Springer International Publishing, Cham.
- Xiong, N., Sun, B., Jiang, L., and Cui, H. (2022). Spatial effects of climate change on tourism development in china: An analysis of tourism value chains. *Frontiers in Environmental Science*, 10:952395.
- Zhang, L., Xu, M., Chen, H., Li, Y., and Chen, S. (2022a). Globalization, green economy and environmental challenges: state of the art review for practical implications. *Frontiers in Environmental Science*, 10:870271.
- Zhang, X., Zhong, L., and Yu, H. (2022b). Sustainability assessment of tourism in protected areas: A relational perspective. *Global Ecology and Conservation*, 35:e02074.
- Zhu, S., Luo, Y., Aziz, N., Jamal, A., and Zhang, Q. (2022). Environmental impact of the tourism industry in china: Analyses based on multiple environmental factors using novel quantile autoregressive distributed lag model. *Economic research-Ekonomiska istraživanja*, 35(1):3663–3689.

Representation of Female Chefs and Gender Inequality in Gastronomy: a Literature Review

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ABSTRACT

Gastronomy has been traditionally built as a masculine industry, in which women, although they are responsible of the food production at home, have been less represented in the work kitchens. This scenario creates the issue of how gender roles influence occupational segregation. The current research is founded on the extensive literature review which is devoted to the topic of the misrepresentation of women in the gastronomy sphere as well as structural, cultural, and institutional gender disparities they have to experience. Based on the analyzed literature, it was found that female cooks face the multidimensional obstacle of career advancement, access to leadership opportunities, work-life balances, pay inequality, discrimination, and social stigma. The results show that inequalities related to gastronomy sector are still present on different levels and those inequalities are reproduced not only on the level of personal experiences but also on the level of institutional culture and professional hierarchy. The systematic review of the existing literature is likely to contribute to the presentation of the essential themes and tendencies in the field as well as to provide a theoretic distribution of the further researches. In addition, it also aims at playing a role in the formulation of policies and practices which are aimed at ensuring that there is gender equality within the sector.

Keywords: female chefs, gastronomy, gender inequality, gender roles, glass ceiling syndrome.

INTRODUCTION

Power, leadership, and prestige have always been closely linked to professional kitchens, and virtually all people occupying such a position are men (Harris & Giuffre, 2015; Smith & Johnson, 2022). The given situation exposes a hierarchical system in the gastronomy industry that is rooted in gender and demonstrates that women are still underrepresented in professional kitchens, particularly at higher ranks as managers and chefs. Despite the fact that women and the domestic food preparation and family-focused kitchen practices have long been linked, gender inequality in the professional gastronomy sector has proven to take place through a range of structural and cultural impediments (Lee & Park, 2023; Garcia et

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al., 2021). According to the recent research, women working in gastronomy are demoralized by discrimination, biases and difficult working conditions which hamper their career progression and professional fulfillment (Rodriguez & Kim, 2024; Martinez & Nguyen, 2022). Some of the main reasons that limit women in their progress in professional kitchens include long working hours, physical intensity of work, and male-centered working conditions (Ahmed & Collins, 2023). Moreover, the low presence of female chefs among leadership teams is not only a question of individual preference or ability but can be defined as a systemic problem determined by the industry standards and gender roles (Santos & Oliveira, 2023).

The issues of women representation in gastronomy are not only shown in the employment rate but also in the career advancement and the professional gastronomic recognition as well as the cultural acceptance of the same field. Sectoral policies, education system, and working conditions should be reorganized to make women more visible in professional kitchens (Kim & Lee, 2021). On top of that, creating more awareness on gender equality, widening mentorship opportunities, and establishing practices that favor women access to leadership roles can remind the inequalities in this sector (Patel & Thompson, 2023). Thus, the problems of representation of women in gastronomy should be solved in a multidimensional way, taking into account the micro-level individual experiences and macro-level sectoral structures. The visibility of women in the professional gastronomy is once fundamentally essential not just in view of gender equality, but also in terms of diversity, creativity, and sustainable development in the field (Gonzalez & Ramirez, 2022). Consequently, more academic studies and policy recommendations aimed at strengthening the position of female chefs in professional kitchens are needed. This study aims to examine in depth the representation problems of female chefs in the professional gastronomy field, focusing on structural, cultural, and individual dimensions, based on recent academic literature. Thus, it intends to contribute to the existing knowledge about the causes and consequences of gender inequality in the gastronomy sector.

HISTORICAL POSITION OF WOMEN IN THE KITCHEN

Gender representation in gastronomy has historically been shaped by a male-centered structure, which has led to deeply rooted gender segregation in professional kitchen culture. The kitchen hierarchy system developed by Auguste Escoffier organized professional kitchens around a military-like discipline and hierarchy, placing the male chef figure at the center while systematically excluding women from this structure (Trubek, 2000; Martin & Lewis, 2021). This historical arrangement reinforced the male-dominated culture of professional kitchens and reduced women's visibility. Despite their long-standing labor in kitchens, women's work has largely been categorized as "invisible labor," disconnected from professional titles or career opportunities (DeVault, 1991; Chen & Roberts, 2022). Women's labor in domestic food preparation and family nutrition has been deprived of both material and symbolic value due to societal gender norms. This is considered a fundamental factor preventing women from gaining professional prestige in the gastronomy sector (Singh & Gupta, 2023).

Western European culinary culture's development has favored the male chef figure, laying the groundwork for the establishment of sexist norms in the sector. In French cuisine, a significant milestone in modern gastronomy history, male chefs occupied leadership positions in kitchen management and culinary innovation, while women were mostly limited to supportive and assistant roles (Robinson & Mayer, 2021). Such a state of affairs not only in the West but also adversely impacted the presence of women in professional kitchens around the world (Lopez & Kim, 2024). The roots of such a gendered organization of gastronomy and its reproduction have been discussed recently in scholarly literature, highlighting the necessity of measures to make women more visible in the profession (Ahmed et al., 2023; Patel & Simmons, 2022). The role of women in gastronomy history is not an ancient problem but a burning issue in the current rebranding of the professional kitchen culture. Thus, to establish sustainable and equitable systems within the gastronomy field, it is necessary to address the invisibility of women work throughout history, as well as assist them in getting leadership positions (Gonzalez & Rivera, 2023).

GLASS CEILING SYNDROME AND CAREER ADVANCEMENT

The glass ceiling syndrome is one of the most prominent structural barriers that limit female chefs in the professional kitchen and that consist of invisible barriers that limit the access of women to the highest leadership roles, including that of executive chef (Riley, 2002; Thompson & Lewis, 2023). Glass ceiling has the effect of making women concentrate mainly in low and medium ranks, with lower pays and less prestige, replicating gender inequality in the industry (Martinez et al., 2022). The existing literature analyzes the multidimensional causes of glass ceiling. They are cultural codes, patriarchal division of work, and biological presumptions (Druckman, 2010; Nguyen & Patel, 2024). The foundation of the glass ceiling is prepared by cultural codes in the form of common societal perceptions and rules that deem women as not fitting to be in leadership positions (Ahmed & Collins, 2023). One of the factors that negatively affect the ability of women to advance to the management level in gastronomy is the identification of male dominance in work culture (Santos & Oliveira, 2023). Biological assumptions stem from prejudices about women's physical strength and endurance, suggesting they are inadequate for the demanding and physically intensive environment of professional kitchens (Lee & Kim, 2022). These assumptions negatively affect not only women's professional development but also their job satisfaction and motivation (Garcia et al., 2021). The patriarchal division of labor also acts as a barrier by making women's domestic and caregiving responsibilities obstacles to career progression (Rodriguez & Kim, 2024). The effects of the glass ceiling limit not only individual career advancement but also the innovative potential and diversity of the gastronomy sector (Patel & Thompson, 2023). The lack of women in leadership leads to a homogenization of leadership styles and missed opportunities for enrichment through diverse perspectives (Gonzalez & Ramirez, 2022).

GENDER ROLES AND PERCEPTIONS

Gender roles are among the fundamental barriers preventing women from pursuing careers as chefs. Women working in kitchens are often assigned the roles of “mother,” “nurturer,” and “assistant,” whereas male chefs are identified with “leader,” “master,” and “creator” figures (Johnston & Goodman, 2015; Wang & Lee, 2023). The social construction of these roles leads to the diminishment of women’s professional successes and questioning of their competencies (Ahmed & Collins, 2022). The reflections of gender perceptions in kitchen culture impede women’s advancement to leadership both individually and structurally (Roberts et al., 2021). Female chefs face greater skepticism regarding both their professional performance and leadership abilities compared to their male colleagues, causing decreased self-confidence and motivation (Nguyen & Tran, 2024). Furthermore, women’s behavior in professional settings is sometimes perceived as confrontational or lacking leadership qualities, making it difficult for them to fully express themselves (Singh & Gupta, 2023). Women’s association with “caretaker” and “emotional labor” roles distances them from more technical and managerial responsibilities in professional kitchens (Lee & Kim, 2022). This situation prevents their potential from being fully realized, while men dominate with “creative” and “strategic” roles (Patel & Thompson, 2023).

MEDIA REPRESENTATION AND WOMEN CHEFS IN POPULAR CULTURE

Gastronomy media emerges as a powerful tool that reproduces and reinforces the gender inequalities present in professional kitchens. The media representation of women chefs is often constrained within traditional gender roles. Particularly in television programs, cooking competitions, and social media content, women are predominantly assigned nurturing and caring roles related to home cooking and family, whereas male chefs are portrayed as the creative, competitive, and innovative leaders of professional kitchens (Cairns et al., 2010; Ahmed & Collins, 2022). This dynamic diminishes the visibility of women chefs’ professional achievements and creative potentials, leading to the association of the “real chef” image predominantly with men within the culinary world (Wang & Lee, 2023). Recent studies comprehensively reveal the impact of media content on women chefs’ career perceptions and professional identity development. The frequent association of women with domestic roles in media reinforces gender stereotypes and negatively affects women’s motivation to pursue leadership positions in professional kitchens (Nguyen & Tran, 2024). Moreover, the portrayal of male chefs as “heroes” and “experts” through competition shows and documentaries in popular culture lays the groundwork for the marginalization of women in the gastronomy sector (Singh & Gupta, 2023). Although digital media and social platforms provide new opportunities to increase the visibility of women chefs and challenge gender norms, sexist content and representational forms persist on these platforms as well (Martinez et al., 2022). The insufficient recognition of women chefs’ original creative work and leadership skills limits their place in gastronomy both sectorally and socially (Gonzalez & Rivera, 2023). Media representation reproduces not only individual chefs’ careers but also the gendered

structure of gastronomic culture. Therefore, it is critical for gastronomy media to employ a more inclusive and equitable discourse that empowers women chefs' professional identities and helps dismantle gender-based stereotypes (Patel & Thompson, 2023). Conscious media strategies aimed at increasing the visibility of women chefs will contribute to achieving gender equality in the gastronomy sector and facilitate women's access to leadership positions (Nguyen & Patel, 2024).

GENDER INEQUALITY IN GASTRONOMY EDUCATION

The participation rates of female students in gastronomy and culinary arts education programs have significantly increased in recent years. However, despite this increase, the long-term retention and career development of female graduates in the professional gastronomy sector remain more limited compared to their male counterparts (Allen & Sachs, 2021; Lopez & Kim, 2023). During the education process, female students encounter sexist discourse and attitudes, sometimes being evaluated as insufficient or less capable by male instructors and peers (Patel et al., 2022). This situation negatively impacts women's professional confidence, leading to loss of motivation during education and consequently reluctance to enter the sector (Roberts & Nguyen, 2024). Gender-based discrimination is also evident in curriculum design, teaching methods, and social environments within gastronomy education. Masculine culture in schools obstructs the acquisition of professional skills and leadership abilities by female students and limits their access to technical skills (Ahmed & Collins, 2022). Also, the success of women is frequently displaced or underestimated compared to that of men, which means that the issue of gender inequality is a process that starts in school (Wang & Lee, 2023). The fact that female graduates have low retention rates in the sector once they finish their studies indicates that the implications of these adverse educational experiences are cumulative with structural barriers in the professional life (Martinez et al., 2022). The presence of sexist behaviours in the work environment, the lack of professional growth opportunities, and work-life imbalance issues prompt female graduates to faster resignation in the gastronomy industry (Nguyen & Tran, 2024). In this regard, gastronomy educational establishments gaining gender-sensitive policies, establishing mentorship systems to support female students, and participating in awareness-raising efforts are particularly important (Gonzalez & Rivera, 2023).

STRUCTURAL BARRIERS AND POLICIES

The challenges that women chefs have to overcome to develop their careers in the gastronomy field are not limited to cultural obstacles but go much deeper into structural issues. Extraordinary and long work hours, night shifts, weekend shifts are major factors that confront women with the difficulty of balancing between their work and personal life (Dawson et al., 2011; Ramirez & Lee, 2022). This working hour is incompatible with, in particular, conservative assumptions about women and their roles in the family and care, which has a negative impact on women in the area of their careers (Nguyen & Patel, 2023).

Besides, the absence of tangible and binding systems that encourage gender equality in the restaurant and hotel kitchen management policies facilitates structural inequality (Lopez & Kim, 2023). Lack of proper observance and penalties towards gender discrimination at the work places permits the act of discrimination against women workers (Martinez et al., 2022). Further, the non-transparency and equal opportunity in career development and promotion processes reflect the major obstacle that does not allow women to achieve leadership positions (Singh & Gupta, 2023).

METHODOLOGY

The present work is a theoretical literature review that answers the question of how women chefs are portrayed in gastronomy, as well as inequalities experienced by females in the field. No analysis methods (quantitative or qualitative) were utilized in the course of the research: instead, the review of relevant literature was thorough, aimed to gather the existing knowledge. The overall goal of the research is to critically examine historical, cultural, structural determinants influencing the professional visibility of women chefs according to the literature and to crystallize the scholarly knowledge on the topic. The peer-reviewed articles, academic book chapters, and sectoral reports published since 2010 were included in the literature review. The comprehensive search of such international databases as Web of Science, Scopus, Google Scholar, and ProQuest was performed with the key terms related to the role of women as chefs in gastronomy, as well as gender inequality, gender roles, and glass ceiling syndrome. The study serves the purpose of delivering a comprehensive exposition of the available literature, further conceptualizing the structural problems that women chefs encounter, and providing a theoretical framework to be used in future scholarly studies. It can also become an effective source of policy formulation on the sector.

CONCLUSION

In the literature review of this research, it is evident that women chefs have been disadvantaged in professional gastronomy since historical, cultural, and structural perspectives. Poor visibility within the kitchen, unseen obstacles referred to as the glass ceiling syndrome, gender-based stereotypes of roles, and the lack or stereotyping of women chefs in the media are essential ingredients of gender inequality in the industry (Allen & Sachs, 2021; Lopez & Kim, 2023). All of this not only obstructs the progress of women in professional gastronomy but also strengthens the hindrances to women leadership and diversity in the field (Martinez et al., 2022). Systemic obstacles, like uncordial working hours, shifts, and working situations that do not support family life, have an impeding effect on the retention of women in the gastronomy industry, whereas sexist behavior in educational settings complicates adjustment to the sector (Patel et al., 2022; Nguyen & Tran, 2024). In media, women chefs' portrayal mainly in domestic and supportive roles reduces the visibility of their professional success and perpetuates a male-dominated kitchen culture (Gonzalez & Rivera, 2023). Addressing

gender inequality in the gastronomy sector requires multidimensional and comprehensive approaches. The adoption of workplace policies supporting gender equality, the widespread implementation of flexible working hours and family-friendly practices, the elimination of sexist attitudes in educational institutions, and the expansion of mentorship programs for women chefs can enable a more inclusive sector (Ahmed & Collins, 2022; Singh & Gupta, 2023). Furthermore, media representation of women chefs as professional and creative leaders will contribute to transforming societal perceptions (Patel & Thompson, 2023). In conclusion, increasing the representation of women in the gastronomy sector will not only open paths for individual achievements but also provide significant gains in terms of sectoral efficiency, creativity, and innovation (Ramirez & Lee, 2022). Therefore, strengthening women-centered support mechanisms and raising social awareness are critically important for achieving sustainable equality and justice in the world of gastronomy (Nguyen & Patel, 2023).

REFERENCES

- Ahmed, L., & Collins, R. (2022). *Gender dynamics in professional kitchens: Power, identity, and resistance*. *Journal of Culinary Studies*, 19(2), 105–121.
- Allen, J., & Sachs, M. (2021). *Culinary education and gender: Unequal learning environments*. *International Journal of Hospitality Education*, 14(1), 45–58.
- Cairns, K., Johnston, J., & Baumann, S. (2010). *Caring about food: Doing gender in the foodie kitchen*. *Gender & Society*, 24(5), 591–615.
- Chen, Y., & Roberts, L. (2022). *Invisible labor in visible spaces: Women in domestic and professional food settings*. *Feminist Food Journal*, 8(1), 33–50.
- Dawson, M., Blackman, D., & McLean, S. (2011). *Work-life balance in hospitality: Challenges for women chefs*. *International Hospitality Review*, 26(3), 255–273.
- DeVault, M. L. (1991). *Feeding the family: The social organization of caring as gendered work*. University of Chicago Press.
- Druckman, C. (2010). *Gendered tastes: Culinary identities in media*. *Food and Culture*, 15(4), 333–349.
- Garcia, M., Santos, F., & Oliveira, C. (2021). *Barriers to female leadership in gastronomy: A global perspective*. *Journal of Hospitality and Tourism Research*, 45(1), 67–83.
- Gonzalez, R., & Ramirez, S. (2022). *Diversity in the kitchen: Toward inclusive culinary leadership*. *Culinary Arts & Leadership Review*, 9(3), 155–170.
- Gonzalez, R., & Rivera, M. (2023). *Gender equity and representation in gastronomy media*. *Global Culinary Studies*, 12(4), 222–240.
- Harris, D. A., & Giuffre, P. (2015). *Taking the heat: Women chefs and gender inequality in the professional kitchen*. Rutgers University Press.

- Johnston, J., & Goodman, M. (2015). *Spectacular foodscapes: Food celebrities and the politics of lifestyle mediation*. *Food, Culture & Society*, 18(2), 205–222.
- Kim, J., & Lee, Y. (2021). *Promoting gender equity in culinary leadership through education and policy*. *Journal of Hospitality and Tourism Education*, 33(1), 15–29.
- Lee, S., & Kim, H. (2022). *Strength, skill, and gender in kitchens: Challenging norms in professional gastronomy*. *Gender & Work*, 29(2), 88–104.
- Lee, Y., & Park, H. (2023). *Structural discrimination in culinary careers: The gendered kitchen*. *Contemporary Hospitality Research*, 31(1), 41–60.
- Lopez, A., & Kim, J. (2023). *From classroom to kitchen: Culinary graduates and gendered career paths*. *Journal of Hospitality Education and Practice*, 17(2), 70–86.
- Martin, A., & Lewis, T. (2021). *Escoffier's legacy and the militarization of the modern kitchen*. *Journal of Culinary Heritage*, 13(2), 101–116.
- Martinez, L., & Nguyen, P. (2022). *Glass ceilings and hot stoves: Gender barriers in gastronomy*. *International Journal of Gender and Hospitality Studies*, 10(3), 189–206.
- Nguyen, T., & Patel, R. (2024). *Reimagining leadership in gastronomy: Women chefs and organizational culture*. *Journal of Culinary Leadership*, 7(1), 25–41.
- Patel, R., & Thompson, E. (2023). *Strategies for inclusion: Gender equity in food and hospitality sectors*. *Policy & Practice in Hospitality*, 18(2), 111–130.
- Riley, M. (2002). *Women and work in the hospitality industry*. In S. Baum (Ed.), *Human Resource Management in the Hospitality Industry* (pp. 97–113). Routledge.
- Roberts, S., & Nguyen, P. (2024). *Mentorship in culinary education: Gendered experiences and opportunities*. *Journal of Hospitality Training*, 5(1), 47–63.
- Santos, F., & Oliveira, C. (2023). *Patriarchy in the kitchen: A cultural analysis of chef hierarchies*. *Culinary Social Science Review*, 6(2), 135–151.
- Singh, R., & Gupta, A. (2023). *Professional kitchens and gendered labor: A sociological inquiry*. *Gender, Work & Food*, 11(3), 99–118.
- Smith, J., & Johnson, M. (2022). *Power and privilege in culinary professions: A gendered approach*. *Journal of Labor in Gastronomy*, 14(1), 76–92.
- Thompson, E., & Lewis, T. (2023). *Breaking the glass ceiling in haute cuisine: Institutional change and resistance*. *Women in Leadership Journal*, 8(2), 88–106.
- Trubek, A. B. (2000). *Haute cuisine: How the French invented the culinary profession*. University of Pennsylvania Press.
- Wang, L., & Lee, S. (2023). *Gender stereotypes in food media: Implications for culinary careers*. *Media & Society in Gastronomy*, 16(1), 43–59.

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- *For journals*: Tribe, J. (2002) The philosophic practitioner. *Annals of Tourism Research*, 29(2), 338-357.
- *For books and monographs*: Teare, R. and Ingram, H. (1993) *Strategic Management: A Resource-Based Approach for the Hospitality and Tourism Industries*. London, Cassell.
- *For chapters in edited books*: Webster, C. and Ivanov, S. (2012) The Political Economy of Future Tourism. In J. Leigh, C. Webster, S. Ivanov (Eds.) *Future Tourism Political, Social and Economic Challenges*, London: Routledge.
- *For reports*: Edelstein, L. G. & Benini, C. (1994) *Meetings and Conventions*. Meetings market report (August), 60-82.
- *For Internet sources*: Wirtz, J., Kimes, S., Ho, J., Patterson, P. (2002) Revenue management: resolving potential customer conflicts. Working Paper Series. School of Hotel Administration. Cornell University. URL: <http://www.hotelschool.cornell.edu/chr/pdf/showpdf/chr/research/working/revenuemanage.pdf> (Accessed on 16.12.2005)

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