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كلية الإدارة

قسم / تخصص ماجستير في إدارة الأعمال



Sustainable Iconography: The Long-Term Economic Impact of Symbol Buildings on Tourism and Consumer Behavior

إعداد الطالب/عبدالمجيد محمد

إشراف/

د.الفصيل عبد الحميد

د.فايز جراد

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Introduction:

Iconic buildings like the Burj Khalifa and the Pyramids of Egypt are more than architectural feats—they are symbols of national identity, economic ambition, and cultural endurance. While the Pyramids have sustained global tourism appeal for over 4,000 years, the Burj Khalifa represents modern aspirations with sustainable technology, luxury branding, and regional visibility. This study seeks to compare these two iconic landmarks across time to understand how symbolic architecture—both ancient and modern—impacts tourism, economic growth, and consumer behavior, and whether modern sustainable architecture can match the timeless appeal of historical symbols.

The Problem of the Study:

Despite heavy investments in modern architectural icons like the Burj Khalifa, little is known about how their economic and symbolic performance compares to long-established landmarks such as the Pyramids. Moreover, existing literature fails to evaluate how sustainability contributes to long-term economic value or emotional consumer engagement in comparison to non-technological, symbolic heritage structures. This research fills that gap by providing a comparative study of two global icons, measuring how each influences tourism and behavior over time, and seeking a novel conceptual model that integrates the strengths of both.

The Importance of the Study:

The study is critical for policymakers, architects, tourism authorities, and urban branding professionals in both emerging and developed markets. By comparing two vastly different yet globally recognized structures, this research will:

- Evaluate the sustainability of cultural and economic appeal.
- Help cities rethink how to integrate ancient symbolic values with modern sustainable design.
- Offer a replicable framework that merges timeless symbolism with eco-conscious construction for future iconic projects.

The Objectives of the Study:

- To compare the long-term economic and tourism impacts of the Burj Khalifa and the Pyramids.
- To assess consumer behavior and perception differences between ancient and modern iconic buildings.
- To evaluate the role of sustainability in building long-term symbolic and economic value.
- To develop a novel framework for designing future sustainable symbolic buildings.

The Questions of the Study:

1. How does the economic impact of the Pyramids compare to that of the Burj Khalifa over time?
2. What are the psychological and behavioral differences in consumer/tourist responses to each icon?
3. How does sustainability contribute to the branding and perceived value of the Burj Khalifa compared to historical permanence of the Pyramids?
4. What insights can be drawn to create a hybrid model of sustainable iconography for future architecture?

6. Thesis Hypotheses:

H1: The Pyramids of Egypt offer a stronger emotional and historical attachment but show limited economic scalability in modern times.

H2: The Burj Khalifa delivers high economic impact but lacks enduring cultural symbolism compared to ancient icons.

H3: Tourists associate the Burj Khalifa with innovation and luxury, while the Pyramids are tied to authenticity and legacy.

H4: A hybrid design framework combining sustainability + symbolic longevity could produce more resilient, economically viable architectural icons.

Previous Studies:

Relevant studies now include historical, tourism-based, and architectural sources on:

- The economic influence of the Burj Khalifa (AlMatrooshi et al., 2020; Gremillion, 2016).
- Tourist psychology and emotional engagement with heritage sites (Timothy, 2011).
- The branding power of the Pyramids and their influence on Egypt's GDP (Sharaf, 2018).
- Sustainable architecture and tourism economics (Gössling, 2010; Bostanci et al., 2017).
- The Bilbao Effect and comparison with other iconic buildings.

These form a basis to frame the Burj vs. Pyramid analysis.

Theoretical Foundations of the Study:

- Urban Symbolism & National Identity Theory
- Place Branding and Destination Theory
- Consumer Behavior in Heritage and Luxury Tourism
- Sustainability Theory in Architecture
- Cultural Semiotics in Design

Methodology and Research Methods:

- Case Study Comparison: In-depth analysis of Burj Khalifa and the Pyramids.
- Methods:
 - Quantitative: Analysis of tourism statistics, GDP contribution, social media trends, commercial footfall.

Study Tools:

- Statistical tools: GIS , SPSS, R for tourism/growth data.
- Qualitative tools: NVivo for interview and media analysis.
- Digital Platforms: Google Trends, TripAdvisor review mining, Instagram location data.
- Survey Platforms: Google Forms, Typeform.

Study Limitations:

- Uneven historical timelines make direct comparison complex.
- Political and economic conditions in Egypt may impact pyramid tourism data.
- The recent nature of the Burj Khalifa limits long-term data depth.
- Difficulty in quantifying emotional/symbolic value objectively.
- However, comparative framing and diverse methods ensure robustness.

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