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**Master's in business administration in International
Business**

Subject: Dissertation Proposal

**Topic: Digital Transformation and Consumer
Engagement at “Gucci”**

Submission Date: 14 -03-2025

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Introduction

The luxury fashion segment has been revolutionized through the use of digital technology where fashion brands interact with clients. Gucci, one of the leading luxury fashion brands, has not been left behind in this regard adapting to the change through the adoption of technological solutions such as Gucci live, artificial intelligence in customization, the metaverse and omnichannel consumer experience. Considering that the consumers' behaviour is progressively going digital ever, it is important to evaluate how much the developments made by Gucci have influenced consumer engagement and loyalty. The purpose of this study is to investigate the influence of digital transition at Gucci and assess the efficiency of social media, AI, metaverse, and big data measurement tools. The study shall establish the impetus of these innovations towards consumer loyalty and how they fare against conventional engagement in the luxury sector.

Aims, Objectives, and Research Questions

Aim

The purpose of this research is to analyze the effects of Gucci's digital transformation on consumers and their attentiveness towards brands with focus on digital marketing, artificial intelligence, metaverse engagement and omni-channel experiences. It aims at establishing the response of the consumers to these innovations and the extent to which these innovations will enhance the brand loyalty in luxury fashion.

Objectives

- To analyze Gucci's key digital marketing strategies, including AI-powered personalization, metaverse integration, and influencer collaborations.
- To evaluate how digital engagement platforms such as Gucci Live, mobile applications, and social media campaigns contribute to consumer-brand interactions.
- To assess consumer perceptions and behaviours toward Gucci's digital initiatives compared to traditional marketing efforts.
- To determine the impact of digital transformation on Gucci's brand loyalty and sales conversion rates.
- To provide recommendations for luxury brands aiming to enhance consumer engagement through digital transformation.

Research Questions

- What are the main digital marketing strategies adopted by Gucci to engage consumers?
- How do platforms like Gucci Live, social media campaigns, and mobile apps influence consumer engagement?
- How has digital transformation affected consumer perceptions and purchasing behaviour at Gucci?
- What role do digital innovations such as AI, metaverse experiences, and big data analytics play in fostering brand loyalty?
- How can luxury brands optimize their digital transformation strategies for enhanced consumer engagement?

Literature Review

Digital Transformation in the Luxury Fashion Industry

Retail e-commerce sales worldwide from 2014 to 2023 (in billion U.S. dollars)

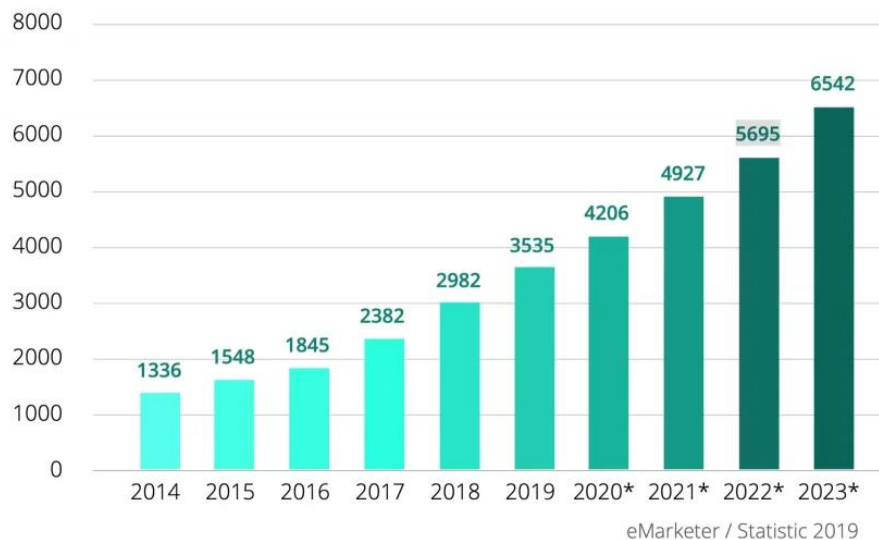


Figure 1: The Fashion Industry And Digital Transformation

(Source: <https://swifterm.com/wp-content/uploads/2022/03/Screenshot-2022-03-28-at-11.46.27-2048x1329-1-1024x665.webp>)

The advancement of technology has significantly revolutionized the luxury fashion trade by demonstrating that luxury is for everyone and not just those with abundant wealth (Lu, 2024). Gucci has effectively incorporated a number of digital technologies to offer consumers even

more value by using try-ons, artificial intelligence styling services, and engaging e-commerce features (Bennur, 2023). These innovations enable Gucci to engage with the consumers, then create a balance of both online and offline purchasing. The demand for luxury products via online platforms has become crucial thus the need for brands to be able to display themselves online. The remarkable features of Gucci's plan are AI-chatbots, AR-features and real-time customer care for a smooth transition between the tangible and the digital domains. It is as well understood that brands that engage their consumers through the adoption of immersive digital technologies are likely to retain more consumers (Lu, 2024).

Consumer Engagement and Brand Loyalty in Digital Marketing

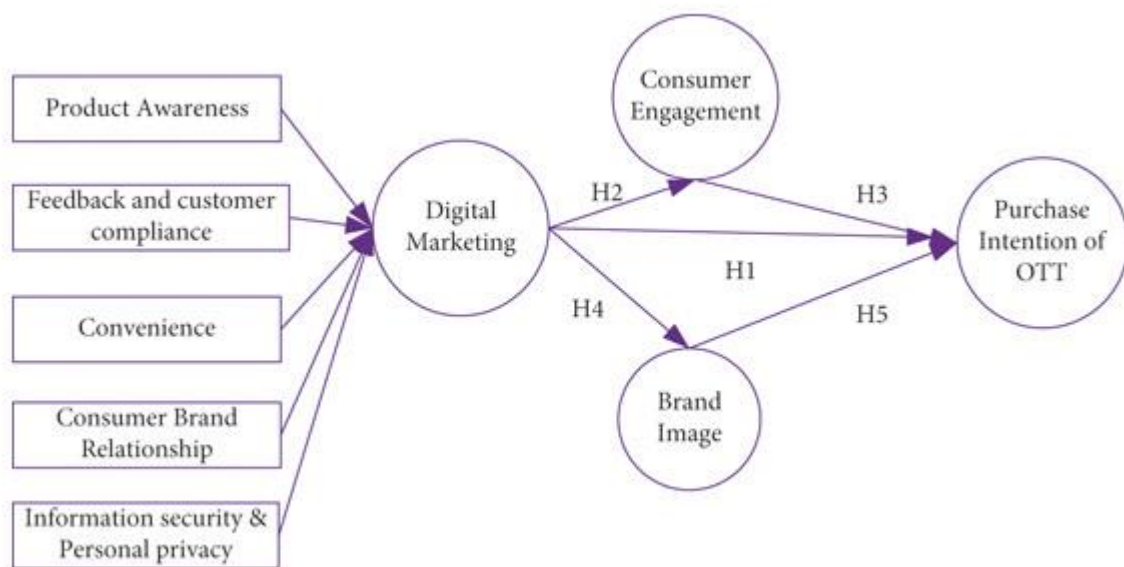


Figure 2: The Relationship between Digital Marketing, Customer Engagement, and Purchase Intention

(Source: <https://onlinelibrary.wiley.com/cms/asset/b6f87b3b-a75e-4ed8-8319-957db8f50ec3/jom5327626-fig-0001-m.jpg>)

Consumer participation is the basis of luxurious marketing processes, and with the help of digitalization, communication with consumers has been improved in terms of individualization and interactivity (Liu, 2023). Gucci's application of data and artificial intelligence to interacting with the customer makes it easy for the brand to offer personalized recommendations on products and create detailed marketing campaigns, consequently increasing the brand loyalty and repurchase. Moreover, using social media is equally important for Gucci in digital marketing. The brand successfully employs Instagram, TikTok, and Twitter

accounts to start up viral campaigns, engage with influencers, and communicate with Gen Z. It was established that applying such digital tools as exclusive product drops, virtual collaborations with influencers, and gamification elements help to enhance the long-term consumer-brand relationship (Liu, 2023).

The Role of Big Data and AI in Luxury Branding

Currently, luxury brands do utilize the big data analytics and AI to analyze their customers' behaviour patterns and therefore design better strategies of engaging their target market (Lu, 2024). Another innovation that Gucci adopted is using AI for consumers profiling; the brand can understand the existing preferences in the market and get more specific with the messages it promotes, trends that can be observed, and the relevant recommendation that may be provided to consumers. This leads to the opportunity to have dynamic price models, demand forecasting models, and consumer sentiment for the Gucci brand. When it comes to the use of marketing techniques that use artificial intelligence, it is seen that products that belong to the luxury segment have better customer satisfaction and retention than traditional marketing (Lu, 2024).

Gucci's Integration of Metaverse and Digital Activations

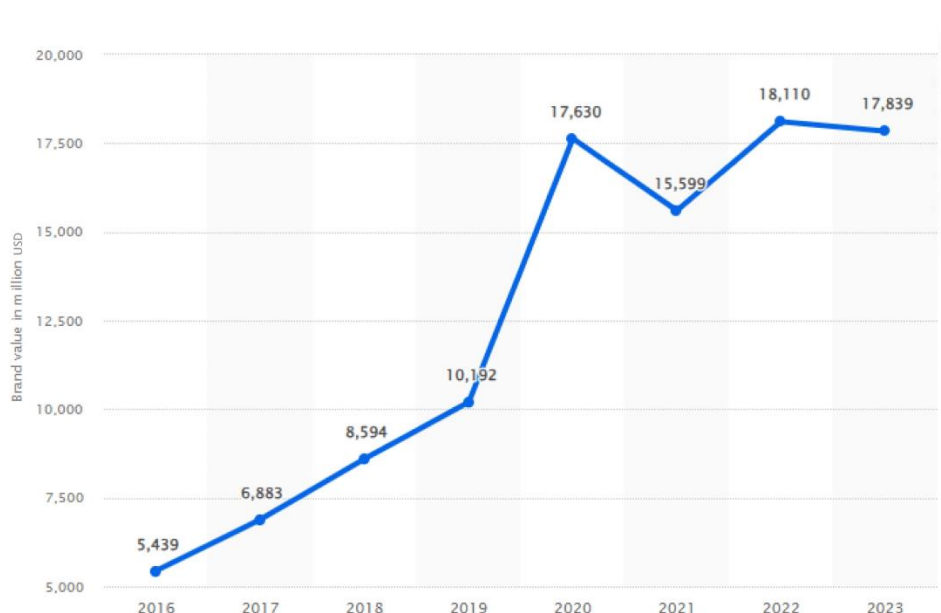


Figure 3: The Implementation of Digital Marketing Strategies: Gucci's Next Move

(Source: https://stpltrsrcsmnprdwus001.blob.core.windows.net/rsrcs/sk/images/the-implementation-of-digital-marketing-strategies-guccis-next-move/10.4135_9781071956489-fig1.webp)

It has become apparent that metaverse is an innovative disruption in the context of luxury branding and virtual experiences. For instance, through the use of digital assets and virtual stores, as well as game-based collaboration with consumers, Gucci has defined itself as very active in targeting consumers with a particularly strong engagement with digital technologies (Goldenberg, 2023). Such metaverse projects bring Gucci to new client segments, interacting with the younger audiences and skilled in digital technologies, as well as strengthening the brand's authority through the innovative approach (Goldenberg, 2023).

Research Methodology

Research Approach

This research will use a primary quantitative research technique of survey to examine the digital transformation exercise of Gucci and its implication to consumers' uptake and loyalty. In the case of the presented research, the tool for data collection will be an online form containing a set of 25 multiple choice questions (MCQs) to be answered by 100 participants. Such a strategy will make it easier to get numerical results of the customer feedback and measure the impact of digital strategies applied by Gucci. The proposed survey will aim to obtain information on the consumers' engagement with the digital platforms of Gucci, the level of loyalty to the brand, and the level of purchasing in relation to the digital marketing activities.

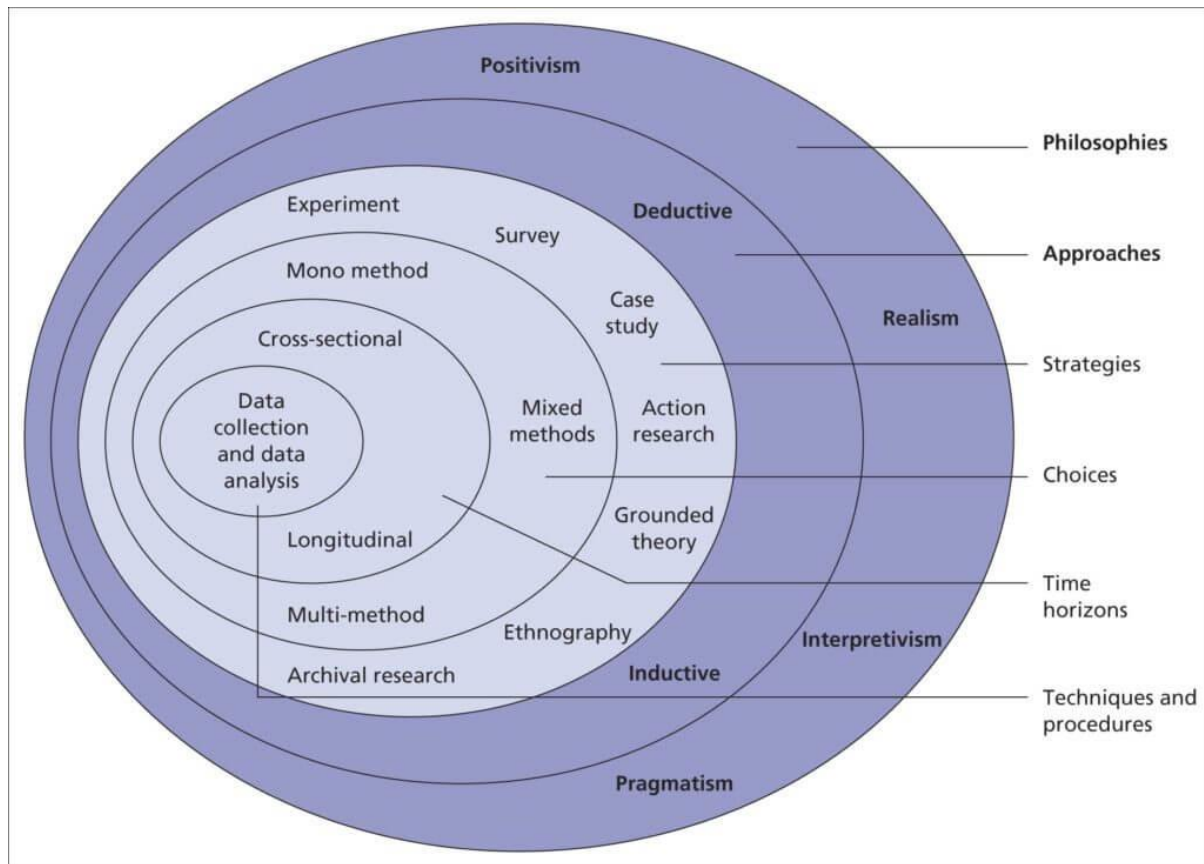


Figure 4: Research Onion

(Source: <https://15writers.com/wp-content/uploads/2024/12/Research-Onion.jpg>)

Data Collection Method

For this research, data will be gathered through an online questionnaire that will be administered to 50 participants; those who had engaged with Gucci's social media handles. The set questionnaire will include 25 multiple choice questions which will cover digital marketing experience, Gucci Live interaction, AI suggestions, metaverse event, omnichannel shopping, and brand loyalty. The targeted respondents will be obtained from research social media, fashion forums, and consumer research groups to make sure that the sample is diverse and representative of the targeted consumers. The survey will also be brief and impartial in order to encourage good participation rate.

The target population for the survey will comprise people of 18 years and above who have visited any of Gucci's digital marketing platforms or who have purchased any Gucci product in the previous one year. This will make the responses provided to relevant to the objectives of the study. The questionnaire will be auto administered, and participants will complete it using Google Forms or any other online survey platform for the data analysis

purpose. The data to be collected will involve generating measurable results on consumers' purchases' directions concerning Gucci, the overall satisfaction level, and perception of innovation in the company.

Data Analysis Method

The data gathered through the survey questionnaire will be analyzed using tools such as SPSS, Microsoft excel or any other statistical analysis tool in python. Descriptive and inferential statistics will be employed to perform quantitative analysis in order to determine trends and relationships. The statistical techniques to be used are as follows:

- **Descriptive analysis:** presenting the total frequency distribution of the consumer engagement level, the mean of the brand loyalty, and the standard deviation of the digital marketing effectiveness.
- **Correlation Analysis:** Measuring the relationship between digital marketing exposure and consumer loyalty.
- **Regression Analysis:** Evaluation of the impact a certain variable such as the use of artificial intelligence personalisation, metaverse interaction, and omnichannel touchpoints on the consumer response or purchasing decisions.

The approach will be helpful to determine trends and patterns and the statistical significance between Gucci's digital approaches and the behavioural aspects of consumers.

Rationale for Using a Secondary Qualitative Method

The primary quantitative method has been selected due to the fact that it provides a direct assessment of the consumer activity level and subsequent brand commitment in terms of real consumers' reactions. Compared to secondary research, which employs published material, survey research offers current information on the consumers, and therefore, the results are more relevant to Gucci's digital transformation plans. The study will limit the interpretation bias by using MCQs in the questionnaires to be administered to 100 respondents which will allow the study to have numerical data to analyze. Moreover, since the survey will be processed statistically, it will be easy to quantify cause-and-effect and come up with practical measures to improve Gucci's digital marketing strategies.

Limitations

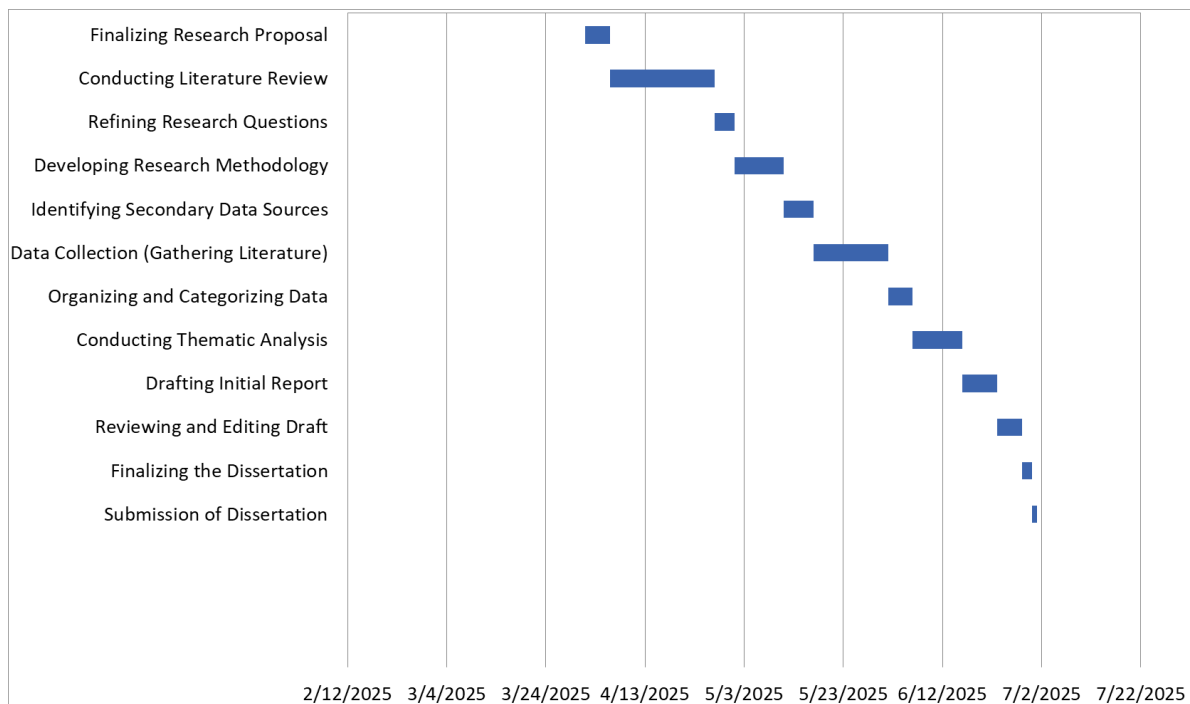
However, since this study is based on primary survey data, its conclusions will only be applicable to the 100 convenient respondents and may not necessarily reflect the overall consumer base of Gucci across the world. Also, studies that based on surveys may involve response biases like social desirability bias that is the respondents may provide answers that are more favorable than what they actually encounter in the course of their work. Yet another weakness is the time that is required for conducting the survey and data collection and subsequently collecting the responses from the 100 participants and achieving a good response rate. This is because the study is conducted solely for Gucci without considering other luxury brands, which implement different digital marketing initiatives.

Ethical Considerations

This research will respect the principles of protecting the participants rights, voluntarism, informed consent and anonymity of information collected. To ensure the respondents' understanding of the study before they respond, they will be provided with a clear account of the research objective, their right to withdraw from the study, and anonymity of the study. The participants will be allowed to withdraw from the study before, during or after the proposed study at their own wish without being asked for any reasons. All the information collected in the survey will be kept confidential and will be used for research and analysis only without compilation of any personal identity. In line with the principles of such academic writing, any works that will be quoted will be cited properly and none of the data will be misrepresented. He will seek an ethical approval from the respective institutional review board to have conforming to research ethics. Thus, this research strives for its credibility, accuracy, and responsibility by offering precise and valuable information regarding the effects of Gucci's CMC on the consumers' response and loyalty.

Timeframe

Task Name	Start (Date)	End (Date)	Duration (Days)
Finalizing Research Proposal	01-04-2025	05-04-2025	5
Conducting Literature Review	06-04-2025	26-04-2025	21
Refining Research Questions	27-04-2025	30-04-2025	4
Developing Research Methodology	01-05-2025	10-05-2025	10
Identifying Secondary Data Sources	11-05-2025	16-05-2025	6
Data Collection (Gathering Literature)	17-05-2025	31-05-2025	15
Organizing and Categorizing Data	01-06-2025	05-06-2025	5
Conducting Thematic Analysis	06-06-2025	15-06-2025	10
Drafting Initial Report	16-06-2025	22-06-2025	7
Reviewing and Editing Draft	23-06-2025	27-06-2025	5
Finalizing the Dissertation	28-06-2025	29-06-2025	2
Submission of Dissertation	30-06-2025	30-06-2025	1



Gantt Chart

(Developed in MS Excel)

Conclusion

The purpose of this research is to assess the effectiveness of the Gucci's digital initiatives mainly in the context of its digital marketing efforts including artificial intelligence-based personalization, metaverse, and omnichannel branding. Thus, within the scope of this study, academic journals, industry reports, and cases will be considered as the secondary data to identify how Gucci's activities in the digital realm affect consumers. The results will be of great use to luxury brands, as they will reveal how these brands can successfully improve digital

activities while still retaining their detachment and glamour. Although this is still a future vision of what Gucci and luxury retail can do with digital marketing, this is where new developments are headed. The research will provide valuable insights for the further understanding of the role of digital transformation in fashion as well as give practical advice to brands that are willing to strengthen consumer connections and become more digitally engaged in the long-term perspective.

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