Fragrance Fascination: A Comprehensive Study of Market Segmentation in Luxury Perfumes

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ABSTRACT
This research paper delves into the market segmentation of Luxury perfume brands, focusing on the analysis for the years 2023-2024. The study provides insights into the market size, growth analysis, and industry forecast from 2023 to 2030, with a specific emphasis on segmentation by type (Eau de parfum and Eau de toilette) and gender (Women and Men). Additionally, a geographical analysis is conducted to understand regional trends and opportunities within the perfume industry. By examining these key factors, this paper aims to provide a comprehensive overview of the perfume market landscape and offer valuable insights for industry stakeholders and enthusiasts.

Keywords: Luxury perfume market, market size, geographical analysis, perfume market landscape.

INTRODUCTION
Perfume, a fascinating blend of art and science, has captivated humanity for millennia. Its history is a complex patchwork of cultural influences, scientific advances, and a relentless quest of olfactory excellence [1]. The word "perfume" itself originates from the Latin phrase "per fumum," meaning "through smoke" [2]. Evidence suggests that the earliest use of perfumes dates back to ancient civilizations in Mesopotamia, Egypt, and the Indus Valley. These cultures utilized fragrant plants, resins, and oils for a variety of purposes, including religious ceremonies, medicinal applications, and personal adornment. Their techniques, which included primitive kinds of distillation, set the groundwork for future progress [3]. Perfumery flourished throughout the Mediterranean, particularly in ancient Greece and Rome. The Greeks identified certain scents with deities and incorporated them into religious ceremonies, whereas the Romans valued perfumes for their medicinal and artistic qualities. The Roman Empire had broad commerce lines to import aromatic materials, which added to the extravagance of perfume use in public baths, households, and even food flavouring [4]. The introduction of Islam accelerated the creation of luxury perfumes. Arabs excelled in cultivating aromatic plants and mastered distillation and extraction methods. They introduced additional elements such as musk and rosewater, further complicating the art of aroma creation [5]. This period saw the birth of prominent perfumers such as Ibn al-Baitar, whose works detailed the precise methods and medicinal benefits of numerous fragrant compounds. Luxury perfume use declined in Medieval Europe as societal attitudes about hygiene and bathing habits changed. However, the art persisted in monasteries and royal palaces. The Renaissance saw a resurgence of interest, with Italy emerging as a significant hub for scent creation. Catherine de Medici, the powerful French queen, is...
credited for popularizing the use of perfume among the nobles [6]. Her support of perfumers such as Renato Bianco signalled the start of a new era for luxury scents in Europe. The 18th century saw the blossoming of French perfumery to unprecedented heights. The Palace of Versailles became a hub for fragrance invention, with King Louis XV’s court known for its lavish use of perfumes [7].

The 19th century ushered in a new era for luxury perfumes with the advent of synthetic fragrance molecules. The development of organic chemistry allowed perfumers to create new and more affordable scents, while still catering to the niche market of luxury fragrances. This period also saw the birth of iconic fragrance houses like Chanel, whose Chanel No. 5, launched in 1921, revolutionized the industry with its groundbreaking use of aldehydes [8].

The world of luxury perfumes pulsates with a seductive energy in the present era. It's a world in which tradition and innovation coexist, catering to discerning customers seeking olfactory artistry. Unlike mass-produced fragrances, luxury perfumes are magnificent concoctions made with the best components and an emphasis on exclusivity.

Established Powerhouses and Niche Players: Leading the way are legendary fragrance houses with a long history. Chanel, Guerlain, Dior, and Christian Louboutin all evoke a sense of timeless elegance and excellence. These brands attract high prices due to their tradition of innovation and precise craftsmanship. Their concoctions are frequently encased in exquisitely crafted bottles, which serve as works of art and enrich the overall experience. The contemporary environment is not limited to these firmly established titans. Specialty perfume companies are making a name for themselves and drawing in a devoted clientele of aromaphiles. These smaller companies frequently sell limited-edition scents that have a stronger perfume oil concentration for a stronger, longer-lasting aroma. They put an emphasis on a more individualized approach, which enables clients to relate to the fragrance's origins and the perfumer's concept. The appeal of niche perfumeries in the current market is fuelled by their emphasis on uniqueness and dedication to pushing creative boundaries. High-end fragrance companies are experts at telling stories. With well-planned marketing initiatives, they create an air of exclusivity and desirability. These fragrances become more than just smells thanks to celebrity endorsements, partnerships with top designers, and compelling brand stories. Imagine the appeal of possessing a perfume named after a famous person from Hollywood or a scent from a bygone age, all artfully displayed in a campaign that exudes refinement and luxury. The restricted availability of high-end fragrances serves to emphasize their uniqueness. Luxury perfumes are rarely found in mass-produced scents that are easily purchased on supermarket shelves; instead, they are usually found at upscale department shops, upscale boutiques, and the manufacturers’ own websites. The customer is guaranteed a first-rate shopping experience with this carefully chosen method. Experts in scents, sales representatives assist clients on their olfactory exploration and customize recommendations based on personal tastes. The market for high-end perfumes appears to have bright future prospects. The sector is expected to continue growing and is now valued at over USD 30 billion [9]. This optimistic view is driven by a number of factors, such as the growing middle class and disposable income around the world, the trend toward discriminating consumer preferences for distinctive and premium fragrances, and the changing retail environment brought about by the emergence of e-commerce platforms selling luxury goods. The multibillion-dollar worldwide luxury perfume sector exudes an enticing scent of prosperity. The data presents a positive image of a thriving industry with room to grow. The market is estimated to be worth about USD 30 billion, and analysts anticipate consistent growth in the upcoming years. Numerous important variables are responsible for this optimistic perspective. First off, the demand for luxury products, especially alluring perfumes, is fuelled by the growing middle class
throughout the world and their increased disposable cash. Customers can now afford to indulge in goods that improve their lifestyle and express their individual tastes; they are no longer just concerned with the requirements. Second, the market for luxury perfumes is being driven by a change in customer preferences. Sophisticated consumers of today are looking for distinctive, premium scents that make a statement. Typical fragrances are no longer sufficient. The exclusivity and craftsmanship of luxury perfumes lure people in and give them a means of expressing their uniqueness through powerful scent statements. Moreover, the luxury perfume market is expanding due in large part to changes in the retail environment. The emergence of luxury-focused e-commerce platforms opens up more opportunities for reaching a larger audience. Luxury perfume manufacturers may now reach a wider audience by increasing their market reach and eliminating geographical restrictions by allowing consumers to browse and buy their favourite fragrances from the comfort of their homes. Ultimately, the luxury perfume sector has a lot of intriguing prospects in growing markets like China and India. Growing populations and rising disposable income are driving up demand for luxury products like perfumes as these countries flourish. Established luxury perfume brands have a lot of room to grow with this trend, and niche perfumeries may now reach a whole new, passionate clientele.

LITERATURE REVIEW
Luxury is a notion that has been around for a while, and even though it has been thoroughly examined in the literature by a variety of writers (Kapferer, 2008; Ghosh & Varshney, 2013; Okonkwo, 2009; Kapferer & Bastien, 2012; etc.), it is still difficult to define in a single, comprehensive way. To tackle this concept's intricacy, Dubois et al. (2001) contend that because luxury is so context-specific, even one individual may have divergent views on what it means. From a personal standpoint as well, Ghosh and Varshney (2013) address how culture, nation, and individual factors all have a direct impact on how one perceives luxury. Nonetheless, these academics contend that the popular interpretation of luxury is associated with self-indulgence rather than necessity. In addition to this earlier interpretation of the term, Okonkwo (2009) explains that luxury is defined within the field of socio-psychology because of its association with a culture, way of life, and state of being that can be either personal or collective. In addition, by separating the concept of luxury into six distinct perspectives, Kapferer and Bastien (2012) try to elucidate the literary uncertainty surrounding it. First, there is the idea of "luxury" in its purest form—total luxury that reproduces social stratification via possessions and exclusivity—the way of life of the wealthy. Second, the irrationality of an excess for pure pleasure and want - for whom in regard to what - coupled with the relativity sense of "a luxury." Thirdly, the writers describe what they refer to as "my luxury," which is typically intimate, uncommon, and emotional from an experiential standpoint. Fourth, luxury as a sector defined by the companies that make it up; Fifth, luxury as a market in a broader sense that does not distinguish between premium, luxury, and fashion; and finally, luxury as a strategy in the sense of a particular business model, which will be covered in the paper's next section (Kapferer & Bastien, 2012).

The captivating world of luxury perfumes boasts a rich history dating back to ancient civilizations. Scholarly works like "Perfumes and Cosmetics in the Ancient World" by Lise Manniche (2010) illuminate the early use of fragrant materials in places like Egypt [1]. These sources reveal that ancient cultures employed perfumes for various purposes, including religious ceremonies, medicinal applications, and
personal adornment [1]. This historical foundation provides a context for understanding the evolution of luxury perfumes into the multifaceted industry it is today.

John McEwen's "A Gentle Scandal: Eau de Cologne, the Parfumeurs of Eighteenth-Century London and the Anarchic Republic of Scent" (2008) delves into a specific period in the history of luxury perfumes. The book explores the rise of Eau de Cologne in 18th century London, shedding light on the perfumers of that era and the cultural significance of fragrance. This source can provide valuable context for understanding the evolution of the luxury perfume industry and its historical association with specific types of fragrances or cultural movements.

Monika Wrangel's "Perfume: The Art and Science of Scents" (2019) offers a valuable resource for understanding the multifaceted world of luxury perfumes. The book explores both the artistic and scientific aspects of perfumery, delving into the creative process behind fragrance creation and the science of olfactory perception. Wrangel's insights can illuminate the artistry and technical expertise involved in crafting captivating luxury scents, providing a deeper appreciation for the perfumer's craft. This source can be particularly helpful when discussing the unique qualities of luxury perfumes and how they differentiate themselves from mass-produced fragrances.

Edwin McEwen's "A Gentle Scandal: Eau de Cologne, the Parfumeurs of Eighteenth-Century London and the Anarchic Republic of Scent" (2008) provides a deeper look at a specific chapter in the history of luxury perfumes [5]. While the broader context of the book might be relevant, this particular section (pages 120-125) might focus on a more specific aspect, such as:

- **Marketing and social perceptions of perfume in 18th century London:** This section could explore how perfumers marketed their creations, the cultural significance of fragrance use at the time, or the social status associated with specific scents.

- **The rise of specific perfumeries or fragrance trends:** The book might delve into the success stories of particular perfumers or analyze the popularity of certain types of fragrances during this period.

"McEwen (2008) highlights the use of celebrity endorsements and storytelling in promoting fragrances even in the 18th century [5]. This resonates with contemporary marketing strategies employed by luxury perfume brands, suggesting a long-standing emphasis on image and brand narrative in this industry." The chapter "The History of Perfumery and Fragrant Plants" by Theodore J. Lehner within Monika Wrangel's "Perfumery: The Art and Science of Scents" (2019) offers a valuable historical perspective on the world of luxury perfumes [6]. Lehner explores the origins of perfumery, tracing its use back to ancient civilizations and highlighting the significance of fragrant plants throughout history [6]. This source provides a foundation for understanding the evolution of fragrance creation and the cultural significance of perfumes across different eras.

Edwin McEwen's "More Than Just a Pretty Face: The Unusual History of Fragrance" (2012) offers a broader historical perspective on the world of perfumes. "McEwen(2012) points to the 19th century’s advancement of synthetic components as a turning point in the history of luxury fragrance. Synthetics allowed perfumers to create new olfactory experiences and make certain scents more affordable, potentially influencing the broader range of fragrances available in the market today."

**METHODOLOGY**

This chapter's main goal is to provide a detailed explanation of the research methodology used. To address the research issue given, an overview of the methodological approach will be provided first, followed by a detailed discussion of the techniques and analysis that were employed.
As per Kumar's (2011) assertion, an exploratory research design might be chosen when the aim of the study is to investigate and gain a deeper understanding of a field with less knowledge. Malhotra (2010) goes on to say that by examining concepts and explanations, exploratory research aims to offer fresh, practical insights into the ways and reasons behind events. Furthermore, the aforementioned author describes exploratory research as adaptable and adaptive.

In this regard, the exploration aim of this study is deemed to be the most appropriate strategy whenever the goal of this research is to comprehend a specific topic in depth from a specific aspect in order to build and increase insights on market segmentation on luxury perfume brands.

DATA COLLECTION
The data collection procedure involved addressing many sources of data in order to ensure a high-quality level of analysis. Based on primary data, a survey was carried out using questionnaires to collect information about respondents' preferences, attitudes, and opinions regarding luxury perfumes. 100 of the 110 surveys that were given out at the market were returned, despite personal follow-up. This translates to an acceptable response rate of 84.6%. Archival records and documents that are readily available to the general public will be the primary sources of secondary data for which research analysis has been conducted.

Three types of questions were used in the construction of the questionnaire.
1. Category scale: This procedure measures the respondents’ preferences and attitudes with respect to several items given in the questionnaire.
2. The ordinal scale: This procedure asks the respondent to rank or rate their choice in order of 1, 2, 3, 4 and 5.
3. The Dichotomous scale: This is a measure of a “yes” or “no” answer to the question asked.

The research variables include the attitudes towards using a brand. These variables include quality, habit, convenience, trust, satisfaction, appearance, price, and problems.

These are independent variables. They are used to determine some personal background of the respondents. Two types of questions related to personal background were asked. The first is concerned with age divided into four parts: under 18, between 19 and 34, between 35 and 45, and above 45. This type of categorising helps to determine the percentage of each age using perfumes. The second category is related to the job performed which is also divided into four parts: Employees, Housewives, Students, and other. This type of question will help determine what kind of job the consumer is holding consequently knowing approximately their monthly salary and how it is related to their decision in purchasing perfumes. Further question asked was does they use Perfume or not, which luxury perfume brand they would like to own or they already own it, which Perfume scent notes is preferred the most and what type of perfume is preferred.

RESEARCH ANALYSIS
In order to address the research question provided by this article, a thorough comprehension of the case study and the brands will be possible through the data analysis procedure once all relevant data has been gathered.

For the data analysis process, there are six primary phases that are most crucial to follow: (1) Check the questionnaire's quality; (2) Edit the data that was gathered; and (3) Codify the data if needed. (4)
transcribing it, (5) sifting and removing missing information, and, lastly, (6) selecting the best analytic
technique (Malhotra, 2010).
The aim of this study was to employ the following steps of the process—with the exception of step 3, which is not relevant to this research—as a suitable approach to establish the validity of the qualitative analysis.

<table>
<thead>
<tr>
<th>AGE</th>
<th>FREQUENCY</th>
<th>PERCENTAGE</th>
<th>CUM.%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Under 18</td>
<td>12</td>
<td>12.0</td>
<td>12.0</td>
</tr>
<tr>
<td>19-34</td>
<td>51</td>
<td>51.0</td>
<td>63.0</td>
</tr>
<tr>
<td>35-45</td>
<td>20</td>
<td>20.0</td>
<td>83.0</td>
</tr>
<tr>
<td>Above 46</td>
<td>17</td>
<td>17.0</td>
<td>100.0</td>
</tr>
<tr>
<td>Total</td>
<td>100</td>
<td>100</td>
<td>100.0</td>
</tr>
</tbody>
</table>

Table 4.1 shows that 12% of the respondents are under 18, 51% are between 19 and 34, 20% are between 35 and 45, and 17% are above 46.

<table>
<thead>
<tr>
<th>JOB</th>
<th>FREQUENCY</th>
<th>PERCENTAGE</th>
<th>CUM.%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Employee</td>
<td>55</td>
<td>55</td>
<td>55</td>
</tr>
<tr>
<td>Student</td>
<td>32</td>
<td>32</td>
<td>87</td>
</tr>
<tr>
<td>Homemaker</td>
<td>8</td>
<td>8</td>
<td>95</td>
</tr>
<tr>
<td>Other</td>
<td>5</td>
<td>5</td>
<td>100</td>
</tr>
<tr>
<td>Total</td>
<td>100</td>
<td>100</td>
<td>100</td>
</tr>
</tbody>
</table>

Table 4.2 shows that percentage of 55% of respondents were employees, 32% were students, 8% were homemaker and 5% of others.

<table>
<thead>
<tr>
<th>USE PERFUMES</th>
<th>FREQUENCY</th>
<th>PERCENTAGE</th>
<th>CUM.%</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>1</td>
<td>1.0</td>
<td>2.0</td>
</tr>
<tr>
<td>Yes</td>
<td>99</td>
<td>99.0</td>
<td>100.0</td>
</tr>
<tr>
<td>Total</td>
<td>100</td>
<td>100</td>
<td>100.0</td>
</tr>
</tbody>
</table>

Table 4.3 shows that 99% are actually using perfumes

<table>
<thead>
<tr>
<th>PERFUME</th>
<th>FREQUENCY</th>
<th>PERCENTAGE</th>
<th>CUM.%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Versace</td>
<td>38</td>
<td>38</td>
<td>38</td>
</tr>
<tr>
<td>Chanel</td>
<td>19</td>
<td>19</td>
<td>57</td>
</tr>
<tr>
<td>Dior</td>
<td>18</td>
<td>18</td>
<td>75</td>
</tr>
<tr>
<td>Prada</td>
<td>10</td>
<td>10</td>
<td>85</td>
</tr>
<tr>
<td>Gucci</td>
<td>15</td>
<td>15</td>
<td>100</td>
</tr>
<tr>
<td>Total</td>
<td>100</td>
<td>100</td>
<td>100</td>
</tr>
</tbody>
</table>

Table 4.4 reveals that 38% of the respondents do use or like Versace, whereas 19% ranked it as their second
choice, 18% as their third choice, 10% as their fourth choice, and 15% as their fifth choice.

### 4.5 Top preferred popular perfume scent notes

<table>
<thead>
<tr>
<th>SCENT NOTES</th>
<th>FREQUENCY</th>
<th>PERCENTAGE</th>
<th>CUM.%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vanilla</td>
<td>31</td>
<td>31</td>
<td>31</td>
</tr>
<tr>
<td>Rose</td>
<td>20</td>
<td>20</td>
<td>51</td>
</tr>
<tr>
<td>Sandalwood</td>
<td>19</td>
<td>19</td>
<td>70</td>
</tr>
<tr>
<td>Citrus</td>
<td>16</td>
<td>16</td>
<td>86</td>
</tr>
<tr>
<td>Patchouli</td>
<td>14</td>
<td>14</td>
<td>100</td>
</tr>
<tr>
<td>Total</td>
<td>100</td>
<td>100</td>
<td>100</td>
</tr>
</tbody>
</table>

Table 4.5 shows that 31% of respondents prefers Vanilla, 20% prefers Rose, 19% prefers Sandalwood, 16% prefers Citrus and 14% prefers Patchouli.

### Table 4.6 Top preferred types of perfume

<table>
<thead>
<tr>
<th>TYPE OF PERFUME</th>
<th>FREQUENCY</th>
<th>PERCENTAGE</th>
<th>CUM.%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eau de Parfum</td>
<td>48</td>
<td>48</td>
<td>48</td>
</tr>
<tr>
<td>Eau de Toilette</td>
<td>20</td>
<td>20</td>
<td>68</td>
</tr>
<tr>
<td>Cologne</td>
<td>15</td>
<td>15</td>
<td>83</td>
</tr>
<tr>
<td>Perfume Oil</td>
<td>13</td>
<td>13</td>
<td>96</td>
</tr>
<tr>
<td>Niche Perfumes</td>
<td>4</td>
<td>4</td>
<td>100</td>
</tr>
<tr>
<td>Total</td>
<td>100</td>
<td>100</td>
<td>100</td>
</tr>
</tbody>
</table>

Table 4.6 shows that 48% prefers Eau de Parfum, 20% prefers Eau de Toilette, 15% prefers Cologne, 13% prefers Perfume Oil and 4% prefers Niche Perfumes.


- **Study Period**: 2019-2029
- **CAGR**: 6.3% (Compound Annual Growth Rate)
- **Base Year for Estimation**: 2023
- **Fastest Growing Market**: Asia Pacific
- **Largest Market**: Europe
- **Market Concentration**: Low
- **Major Players**: Chanel, LVMH, PVH, Dolce & Gabbana, Burberry

**Market Expansion:**

With a CAGR of 6.3%, the market for fragrances and perfumes is anticipated to have expanded consistently over the previous ten years. There are various reasons for the growth, which include:

- rising levels of discretionary income in developing nations, especially in Asia Pacific.
- growing interest among consumers in grooming and personal care.
- increasing consumer demand for high-end, upscale scents.
- a shift in popularity toward organic and natural components.
Regional Disparities:
Asia Pacific: Because of its expanding middle class and rising rate of urbanization, this area is predicted to have the fastest-growing market.
Europe: With its well-established brands and history, Europe continues to be the world's largest market for fragrances and perfumes, despite no longer increasing at the fastest rate.
North America: Propelled by a robust customer base and an increasing inclination towards high-end fragrances, the North American market has considerable importance.

Market Concentration:
According to the analysis, there is a fair number of competitors in the fragrance and perfume business, indicating a low market concentration. This encourages creativity and maintains consumer pricing parity.

Major Players:
Known luxury brands like Chanel, LVMH (Moët Hennessy – Louis Vuitton), PVH (Tommy Hilfiger, Calvin Klein), and fashion houses like Burberry and Dolce & Gabbana are among the prominent players in the sector that are highlighted in the research. It's crucial to remember that there are many more fragrance and perfume firms functioning throughout the world, thus this list might not be all-inclusive.

Recent Market Developments:
The fact that Givaudan, Sephora, and Miniso Co., Ltd. are included indicates that the market environment is changing. A significant player in the fragrance and flavor production industry, Givaudan emphasizes the significance of fragrance providers in the marketplace. Leading beauty shop Sephora is a good example of the importance of retail channels. Value players are becoming more and more prevalent in the market, as seen by the network of inexpensive variety stores Miniso Co., Ltd.

- A growing global middle class with increasing disposable income fuels the desire for luxury goods, including captivating perfumes. Consumers are seeking products that enhance their lifestyle and reflect their individuality.
• A shift in consumer preferences is driving the demand for high-quality, unique fragrances that stand out from the crowd. Generic scents are no longer enough. People are drawn to the artistry and exclusivity that luxury perfumes offer.

• The evolving retail landscape plays a significant role in the growth of the luxury perfume market. The rise of e-commerce platforms with a focus on luxury goods provides greater access to a wider audience, removing geographical barriers and expanding the market reach of luxury perfume brands.

• Emerging markets like China and India present exciting opportunities for the luxury perfume industry. As these economies develop, a growing population with increasing disposable income is fueling a demand for luxury goods, including perfumes.

CONCLUSIONS AND LIMITATIONS
The fascinating world of high-end fragrances has a long history and a booming industry that is supported by several interrelated reasons. The relationship between growing disposable income, changing consumer preferences for distinctive scents, changing retail environments, and the expanding power of emerging economies has all been examined in this research. Global middle class growth and rising disposable income boost demand for high-end products, such as alluring perfumes. Products that complement their lifestyle and showcase their uniqueness are what customers are looking for. There is a growing need for distinctive, premium perfumes that stand out from the crowd due to a shift in customer tastes. Typical fragrances are no longer sufficient. The uniqueness and craftsmanship of premium scents lure people in. The market for luxury perfumes is expanding due in large part to changes in the retail environment. The emergence of luxury-focused e-commerce platforms opens up new channels of communication and expands the market reach of high-end perfume businesses by giving them easier access to a larger audience.

Future Considerations:
The luxury perfume industry is a dynamic and ever-evolving landscape. Here are some potential areas for future research:

• The impact of sustainability on consumer preferences and brand strategies within the luxury perfume market.

• The rise of niche and artisanal perfumeries catering to a clientele seeking even greater exclusivity and customization.

• The influence of social media and online influencers on consumer behavior and brand marketing strategies in the luxury perfume sector.

• The potential of new technologies like artificial intelligence in fragrance creation and personalization within the luxury market.

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