

Research on the data-driven marketing: Case of Huawei

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Abstract. The ubiquity of the internet and the pervasive interconnectedness of our digital lives have led to an unprecedented surge in user-generated data. This deluge of data, often referred to as the "new oil," presents businesses with a vast reservoir of opportunities to gain profound insights into their customer base. Huawei has recognized that within this vast data landscape lies the power to craft marketing strategies and product innovations that deeply resonate with their audience. In essence, Huawei's journey through the realms of data-driven marketing and target marketing serves as a guiding star for other businesses navigating the digital age. Their unwavering commitment to harnessing data for enhanced customer engagement, amplified market competitiveness, and the enduring sustainability of their brand underscores the transformative power of data. This article serves as an illuminating case study, offering a roadmap and a wellspring of inspiration for companies striving to thrive in the data-centric landscape of the digital era. In a world of boundless possibilities, Huawei's story stands as a testament to the notion that data is not merely a resource; it is the very foundation of innovation and growth in this transformative era.

Keywords: Data-driven marketing, Target Marketing, Huawei.

1. Introduction

In today's dynamic digital landscape, the convergence of data marketing and target marketing has become a linchpin for businesses aiming to establish a competitive edge. Huawei, a global leader in smartphone manufacturing, stands as a paradigm of how data analysis and target marketing strategies can be adeptly harnessed to not just survive but thrive in a constantly evolving consumer ecosystem. This tech giant's astute use of these methodologies has not only enabled them to stay ahead of the curve but also to flourish in an industry where consumer preferences can shift in the blink of an eye.

Target marketing is of paramount importance in today's business environment. With increased market competition and diversified consumer demands, businesses must precisely identify potential customers and satisfy their individualized needs to remain competitive. Target marketing is an effective strategy that focuses on concentrating resources and efforts on those individuals most likely to become loyal customers, thereby enhancing the efficiency and effectiveness of marketing efforts [1].

Huawei's commitment to data-driven marketing extends beyond mere strategy; it is woven into the very fabric of their organizational culture. Through the meticulous analysis of the colossal volume of data generated by user interactions, they gain invaluable insights into consumer behavior, preferences, and trends. This granular understanding empowers Huawei to tailor their marketing efforts with surgical precision, akin to a master tailor meticulously crafting a bespoke suit. The outcome is a profound connection between consumers and the brand that transcends transactional interactions, fostering an enduring sense of brand loyalty.

Furthermore, Huawei's expertise in target marketing is nothing short of exceptional. In an era where one-size-fits-all marketing tactics have become obsolete, consumers demand personalized experiences that align with their unique needs and aspirations. Huawei excels by segmenting their customer base into distinct personas and demographics, each with its unique characteristics and preferences. This segmentation enables them to create marketing campaigns that speak directly to these segments, addressing their specific pain points and aspirations. The result is an intimacy and relevance that sets them apart in today's competitive marketplace.

This article primarily uses Huawei smartphones as an example to explore Huawei's data marketing and target marketing practices, aiming to understand how Huawei leverages data analysis to precisely

target customers and stand out in the competitive market. This research is expected to unveil the critical role of data analysis in target marketing, providing strong support for businesses to formulate more precise marketing strategies.

2. Literature review

Data analysis plays a crucial role in target marketing. With the advent of the digital era, businesses have accumulated vast amounts of data, including customer behaviors, preferences, purchase history, and more [2]. Through data analysis, companies can gain deep insights into their customers, identify potential target customer groups, and predict their needs [3].

Target marketing is a marketing strategy that focuses on concentrating resources and efforts on the individuals most likely to become loyal customers to enhance the efficiency and effectiveness of marketing efforts. The evolution of target marketing can be traced back to personalized sales in traditional marketing, but with the advent of the digital era, it has made significant progress [4]. Currently, target marketing involves not only sending advertisements and products to specific audiences but also the application of data analysis and modeling to better understand customer needs, predict their behavior, and implement personalized marketing strategies [5]. Data analysis and modeling play a crucial role in modern marketing strategies by allowing businesses to collect, analyze, and interpret big data, gaining deeper insights into customer behavior and preferences to better meet their needs [6].

In terms of customer engagement theory, this theory primarily studies how customers interact with brands and products and how to promote their active participation in marketing activities [7]. This helps businesses better understand the drivers of customer engagement, thus improving interaction and loyalty. Regarding Personalized marketing theory, this theory emphasizes that through data analysis and modeling, businesses can implement personalized marketing strategies and provide customized products and services based on customer needs and behavior, thereby enhancing customer satisfaction and loyalty [8].

3. Method

To understand Huawei smartphone users' behavior, we gathered data on app usage, website browsing history, and purchasing patterns. This data acquisition relied on user permissions and app tracking tools. We also analyzed comments and engagements on social media platforms to gain insight into users' perceptions and emotions related to Huawei smartphones. For the analysis, we utilized advanced data mining techniques to sift through extensive datasets and identify patterns and trends. Machine learning algorithms further facilitated the prediction of user behaviors and needs. Using the gathered information, we categorized customers into specific segments, enabling us to design targeted marketing strategies for each group.

4. Case study

4.1. Practice of Huawei

4.1.1. Data Collection and Analysis

User Behavioral Data: Huawei collects a significant amount of user behavioral data through its mobile operating system and applications, including app usage frequency, location information, search history, click behavior, and more.

Market Research and User Feedback: Huawei conducts market research and gathers user feedback through online surveys, customer feedback, and interactions on social media platforms to understand user needs and opinions.

Sales Data and Customer Service Records: Sales data and customer service records are used to understand customer purchase history, complaints, and the problem-solving process.

Huawei utilizes data mining and machine learning technologies to analyze large datasets, uncover user patterns and trends, and predict customer behavior and demands. Huawei also performs sentiment analysis on social media and user comments to understand user sentiment tendencies and emotional needs.

4.1.2. Target Marketing Strategies

Personalized Product Recommendations: Based on user behavioral data and purchase history, Huawei smartphones provide personalized product recommendations for each user to ensure they see the most relevant products and services.

Social Media Advertising Optimization: Through social media analysis, Huawei smartphones gain insights into user interests and emotional needs, allowing for the optimization of ad content and placement.

Customer Loyalty Programs: Based on customer purchase history and feedback, Huawei smartphones launch personalized customer loyalty programs, reward loyal customers and offer customized services.

4.1.3. Data-Driven Insights and Analysis

Through data analysis, Huawei smartphones have gained the following insights and analytical results: **Personalization of User Needs:** Huawei smartphones have discovered that different users have different needs and preferences, thus personalized marketing strategies can better meet their expectations.

Evaluation of Promotion Effectiveness: Huawei smartphones can assess the effectiveness of different promotional strategies by analyzing sales and advertising data, enabling adjustments to marketing strategies.

Improvement in Customer Satisfaction: By analyzing customer service records and feedback data, Huawei smartphones can promptly address customer issues, thereby increasing customer satisfaction.

Market Segmentation Discovery: Data analysis reveals new trends and opportunities within market segments, providing valuable information for product development and market expansion.

4.2. Discussion

Through data analysis and target marketing strategies, Huawei has achieved personalized product recommendations and advertising placement, resulting in increased customer engagement. Users receive more relevant information, which enhances their willingness to make purchases. Through customer loyalty programs and customized services, Huawei smartphones have improved customer satisfaction and loyalty, making customers more inclined to make repeat purchases and recommend the brand. Data analysis has revealed new market segmentation opportunities, helping Huawei smartphones find growth points and innovation opportunities within different customer groups.

Advanced target marketing models, powered by data analysis and personalized strategies, have enhanced customer engagement. These models utilize data mining and machine learning technologies to better understand customer needs and behavior, providing more attractive content and services [9]. Strategies such as geolocation, social media advertising optimization, and customer loyalty programs have increased customer interaction and loyalty, contributing to improved customer engagement [10].

However, Huawei may face several challenges and limitations. The first is compliance with data privacy regulations. Collecting and using user data must adhere to strict data privacy regulations and compliance requirements, which may impose limitations on data analysis and personalized marketing. And the second is data security concerns. Large-scale data collection and storage can pose data security threats, necessitating appropriate security measures to protect user data.

5. Conclusion

This research delves deep into the case of data-driven target marketing by Huawei smartphones, emphasizing the critical role of data analysis and personalized strategies in enhancing customer

engagement and improving market competitiveness. The study finds that data-driven target marketing can effectively meet customer needs, boost customer engagement, and lead to increased customer satisfaction. Advanced target marketing models, utilizing data mining and machine learning technologies, enhance the understanding of customer behavior, ultimately providing more appealing content and services. Strategies like social media advertising optimization and customer loyalty programs contribute to strengthening customer interaction and loyalty, further enhancing customer engagement.

There are several benefits of data analysis for companies. Through data analysis and target marketing strategies, businesses can better meet customer demands, improve customer loyalty, increase sales, and maintain a competitive advantage. This is crucial for long-term business success. Marketers can learn from this research how to better utilize data analysis tools and personalized strategies to enhance marketing effectiveness. They can apply these insights to real-world work to create more compelling marketing campaigns.

To further advance the field of data-driven target marketing, it is recommended that future research explores how to effectively conduct data-driven target marketing while complying with data privacy regulations and compliance requirements. Exploring emerging technologies like artificial intelligence, natural language processing, and their applications in target marketing can also improve efficiency and effectiveness in this field.

References

- [1] Dong Xiaoqing, Yuan Pengwei, Ma Chishun, etc. Research on application strategies of big data in the field of marketing-using SWOT model. *Chinese Management Informatization*, 2022, 25 (17): 112 - 115.
- [2] Li Yongtao. The negative effects of big data marketing on consumers: manifestations, causes and prevention. *Business Economics*, 2022 (04): 58 - 61.
- [3] Lin Feng. Research on target market marketing strategies of telecom operators. *Science and Technology Economic Market*, 2020 (04): 157 - 158.
- [4] Li Ying. Enterprise target market marketing strategies in the new era. *Modern Business*, 2018 (07): 22 - 23.
- [5] Zhang Bo. Discussion on marketing strategies for shopping mall target markets. *Value Engineering*, 2012, 31 (15): 121.
- [6] Liu Bing. Construction of consumer-centered marketing big data platform. *China Management Informatization*, 2021, 24 (23): 64 - 65.
- [7] Li Jin. Application research on big data marketing of e-commerce enterprises. *Fortune Times*, 2021 (11): 100 - 101.
- [8] Liu Bing. Analysis of corporate big data marketing strategies under the development of the Internet era. *China Storage and Transportation*, 2021 (07): 167 - 168.
- [9] Wei Liwei. Refining corporate target markets to promote product development. *Business Culture*, 2020 (10): 34 - 35.
- [10] Zhang Gaoxun. Analysis of service marketing management strategies for small and medium-sized enterprises' target markets. *Marketing Circle*, 2019 (47): 234 - 235.