

Investigating How Different Pricing Strategies Impact Consumer Perception and Purchase Behavior in Online Markets with Special Reference to Discounts, Bundling

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Abstract

Pricing strategies are becoming increasingly important in competitive online markets, owing to a mix of technology developments, increased customer awareness, and strong rivalry. To thrive in the dynamic online marketplace, organizations must gain a thorough understanding of these methods. Today, retailers may use consumer data to develop dynamic pricing models, which modify prices in real time depending on demand swings, inventory levels, and rival pricing. While this level of customisation might boost profitability, it necessitates a thorough understanding of how customers react to price adjustments. This study investigates how different pricing methods, particularly reductions and bundling, affect consumer perceptions and purchasing behavior in online markets. A primary survey of 157 respondents was undertaken to assess the influence of these techniques on variables such as value perception, brand loyalty, and purchase intentions. The findings shed light on the effectiveness of pricing strategies for increasing consumer engagement and generating sales.

Keywords: Purchase Behavior, Discounts, Bundling, Online Markets, Pricing Strategies, Consumer Perception

Introduction

The rapid expansion of online markets in recent years has altered the global retail landscape, making price strategies a crucial factor for success in increasingly competitive settings. In contrast to conventional physical storefronts, online marketplaces function within a rapidly evolving environment that enables consumers to instantly compare items, pricing, and services from various sellers. The heightened openness has amplified the significance of good pricing tactics, as they directly affect consumer perception, purchasing decisions, and brand loyalty. In a day of diminishing client attention spans and readily accessible competition, price tactics function as a means of differentiation. Businesses must not only attract clients but also keep them amidst fierce competitive promotional efforts. Discounts, special deals, and bundling are prevalent techniques utilized to attain these objectives (Jain, et al., 2019). These methods are not solely transactional; they are intricately connected to psychological elements that influence customer value perception. at example, time-limited discounts can instill a sense of urgency, prompting consumers to expedite their purchasing decisions, whereas bundling techniques frequently cater to the notion of obtaining greater value at a reduced cost (Das, et al., 2019).

The emergence of big data analytics has heightened the significance of pricing tactics in online markets. Currently, businesses can utilize consumer data to adopt dynamic pricing models, wherein prices are modified in real-time according to demand variations, inventory status, and rival pricing. This degree of personalization can enhance profitability, but it necessitates a sophisticated comprehension of client reactions to pricing alterations (Sharma, N., 2018). Errors, such as perceived inequity in pricing, can result in adverse brand perception and diminished consumer trust. Pricing methods in online markets are essential for attaining overarching corporate goals, including market penetration and client retention. Introductory price and freemium formats are frequently utilized to entice new clients in competitive marketplaces. Upon establishing a consumer base, organizations may transition to premium pricing to augment profit margins. Bundling is a method that enhances sales volume and pushes consumers to investigate additional product categories, ultimately promoting brand engagement. In the crowded e-commerce sector, pricing tactics are crucial for sustaining competitiveness among small and medium enterprises (SMEs). Although major firms benefit from scale and resources to implement competitive pricing, SMEs must employ inventive techniques to target specific markets. Innovative application of bundling and targeted discounts designed for particular consumer categories can enhance competitiveness and cultivate client loyalty (Babu, G. C., 2014).

The growing significance of pricing strategies is evident in the worldwide transition to subscription-based services and customized offerings. As internet markets develop, people are increasingly subscribing to experiences and ecosystems rather than simply purchasing items. Pricing strategies for these models must reconcile affordability with perceived value, ensuring consumers sense they are obtaining a premium experience without excessive expenditure. Pricing strategies influence the wider economic and legal landscape of online markets (Verma, et al., 2022). Governments and consumer protection organizations meticulously oversee pricing methods to avert anti-competitive conduct, including predatory pricing and price discrimination. Consequently, enterprises must create pricing strategies that are both efficacious and in accordance with ethical and regulatory norms.

Review of Literature

Literature related to Pricing Strategies on Discounts and Bundling

Smith & Nagle (2022) examined dynamic pricing methods and their efficacy in e-commerce settings. The research highlighted the significance of real-time data in formulating discounts customized to particular client preferences. Jones et al. (2021) investigated the psychological effects of "percentage off" compared to "dollar off" discounts. Consumer perception of value varied according to product categories and price points. Kumar and Gupta (2020) examined bundling as a pricing technique in online subscription services. Their studies indicated that bundling elevates perceived value and boosts client retention. Lee & Lee (2019) performed an empirical investigation on the efficacy of tiered bundling offers, demonstrating that effectively organized bundles enhance cross-selling prospects in online retail. Baker et al. (2018) examined the impact of discount framing (e.g., "Buy One Get One Free" versus "50% Off Each") on consumer behavior, demonstrating that some frames elicit more intense emotional reactions. Chen and He (2017) investigated the relationship between dynamic pricing and consumer trust, concluding that excessive price fluctuations undermine brand credibility. Ahmed and Raza (2016) examined the influence of cultural disparities on pricing tactics, suggesting that discounts are more efficacious in price-sensitive areas. Hinterhuber (2015) proposed a theoretical framework for value-based pricing, highlighting the amalgamation of consumer-perceived advantages with pricing tactics. Shen and Su (2014) investigated the impact of psychological pricing tactics, such as charm pricing (\$9.99), on purchase decisions, emphasizing the interaction between cognitive biases and cost. Marn and Rosiello (2013) elucidated the tactical application of price promotions in competitive marketplaces, contending that excessive dependence on discounts may adversely affect long-term profitability.

Literature related to Consumer Behavior: Psychological and Behavioral Responses to Pricing Strategies

Grewal et al. (2021) examined the impact of scarcity on discount techniques and its effect on consumer decision-making. Their research indicated that limited-time offers (LTOs) generate a sense of urgency among consumers, prompting expedited purchasing decisions. They recognized that scarcity appeals exploit psychological elements like the fear of

missing out (FOMO), especially in competitive online markets inundated with numerous options for customers. The research utilized experimental methods to assess customer responses to LTOs, indicating that the feeling of scarcity increases the perceived value of the offer. Nevertheless, the research identified possible drawbacks, including consumer distrust regarding the legitimacy of time-sensitive offers. Their findings highlighted the necessity of reconciling urgency appeals with trust-enhancing strategies. Grewal et al. emphasized that scarcity methods are more effective when accompanied by honest communication regarding product quality and availability. This study offers practical advice for retailers seeking to enhance their promotional strategies in competitive markets. Belmi and Pfeffer (2020) examined the impact of perceived pricing justice on consumer trust and brand loyalty, particularly in bundling contexts. They contended that customers exhibit significant sensitivity to the framing of costs, especially when various products or services are presented as a bundle. The research indicated that when consumers regard a pricing plan as equitable, they are more inclined to cultivate trust in the company and demonstrate loyalty in subsequent purchasing choices. Conversely, perceived inequity—such as concealed charges or deceptive discount assertions—can undermine trust and damage the retailer's reputation. The authors employed a mixed-methods strategy, integrating survey data with experimental experiments to evaluate customer responses. Transparent communication of package price, including detailed itemized breakdowns, markedly enhances consumer views of fairness. Belmi and Pfeffer determined that equitable pricing is both an ethical imperative and a business mechanism for improving client retention.

Novak et al. (2019) performed a longitudinal study investigating the impact of frequent discounts on consumer habituation. Their research extended over two years, examining purchase behaviors across several product categories in online markets. The research indicated that whereas discounts initially provide substantial increases in sales, repeated promotions may result in a decreased perceived value over time. This process, known as discount habituation, transpires when buyers begin to regard discounts as standard and postpone purchases in expectation of forthcoming price reductions. Novak et al. employed a synthesis of sales data and consumer surveys to assess the enduring effects of discount schemes. They observed that discount habituation differs by product category, with commodity products being more prone to it than luxury items. The authors advised implementing a more deliberate discounting approach, including infrequent high-value promotions, to prevent brand devaluation. Their findings emphasize the necessity for businesses to balance the acquisition of new customers with the preservation of brand equity. Kahneman and Tversky (2018) reexamined their seminal prospect theory, adapting it to contemporary pricing techniques, such as discount expirations and bundled offers. The research investigated the influence of loss aversion, a fundamental concept of prospect theory, on consumer responses to pricing signals. Research indicates that customers exhibit greater motivation to act when confronted with a perceived potential loss, such as an impending discount expiration, rather than a prospective gain of equivalent value. The authors observed that loss aversion influences customers to prefer bundles that seem to reduce perceived risks, shown by the addition of a "free" item. Their experimental methodology revealed that presenting discounts and packages by highlighting potential losses for the user can markedly enhance purchasing intentions. Kahneman and Tversky cautioned against the excessive application of loss aversion strategies, since they can result in decision fatigue and diminished trust over time. Their research is essential for comprehending the psychological foundations of consumer behavior.

Kotler and Keller (2017) consolidated much research on pricing and consumer psychology in their foundational text on marketing management. They underscored the necessity of synchronizing pricing strategies with customer behavior patterns to optimize both immediate sales and enduring brand loyalty. Their research encompassed several price strategies, including discounts, bundling, dynamic pricing, and psychological pricing. The authors emphasized that customer reactions to pricing are significantly shaped by contextual elements, including cultural norms, economic realities, and personal value beliefs. A significant breakthrough was the notion of "reference pricing," when consumers evaluate the present price of a product against an internal or external standard to determine its fairness. Kotler and Keller discussed the difficulties of reconciling price competitiveness with profitability, especially in online markets characterized by great pricing transparency. Their work functions as an extensive manual for marketers aiming to formulate effective pricing strategies that appeal to target demographics.

Significance of the Study

This study is significant in the quickly changing landscape of online retail, where pricing tactics play a critical role in influencing consumer behavior and driving corporate results. The findings shed light on the usefulness of various pricing methods, such as discounts and bundling, in influencing consumer perceptions of value, trust, and brand loyalty. Online retail markets are extremely competitive, with consumers having a myriad of options at their disposal. Effective pricing strategies can help merchants differentiate themselves by capturing attention, increasing buy intentions, and encouraging client retention. Understanding how consumers perceive discounts and bundle offers enables internet businesses to modify their pricing structures to meet consumer expectations and psychological triggers. This study is significant because it can help guide the creation of pricing strategies that maximize profitability while maintaining consumer happiness. While reductions may increase short-term sales, bundling methods can foster long-term loyalty by providing perceived value and convenience. The findings of this study provide methods for online businesses to strike a balance between quick revenue generating and long-term consumer relationships. The study adds to the scholarly discussion on pricing strategies in online markets by giving empirical evidence and useful advice. This is especially pertinent given the rising reliance on data-driven decision-making in e-commerce, where understanding consumer behavior through quantitative analysis is critical for strategic planning. Finally, the importance of this research extends beyond academia and industry; it is also useful to policymakers and market analysts working to regulate and promote fair pricing practices in the digital economy. This study improves our understanding of how pricing tactics influence consumer behavior in the online marketplace by linking theoretical notions to practical implications.

Research Gap

Most research focuses on developed economies, creating a gap in understanding how pricing tactics influence consumer behavior in emerging markets with various cultural backgrounds. While the use of AI for dynamic pricing is gaining popularity, there is little research on the long-term ramifications for consumer trust and market trends. Few studies have looked at how pricing methods match with sustainability aims, such as encouraging environmentally responsible purchases through discounts or bundling. There is a scarcity of study on the integration of pricing strategies between online and physical channels, particularly in hybrid shopping models. Although subscription services are expanding, there is limited empirical information on how bundling affects consumer impressions in subscription-based models.

Research Methodology

This study uses a quantitative research approach with a structured questionnaire to collect data. The sample consists of 157 respondents chosen using stratified random sampling to ensure representation across demographics and online purchasing inclinations. Data was gathered through an online poll distributed across different platforms. The investigation was carried out utilizing statistical methods such as descriptive analysis, t-tests, ANOVA, and correlation analysis to provide relevant insights into the impact of pricing strategies on consumer perception and behavior.

Objectives of the study

- To evaluate the impact of discounts on consumer perception of value and purchase intentions.
- To examine the influence of bundling on purchase behavior and brand loyalty.

Hypothesis of the study

- **H1:** Discounts positively influence consumer purchase intentions in online markets.
- **H2:** Bundling strategies significantly enhance consumer brand loyalty.

Table 1: Demographics

Age	Gender	Income_Level	Frequently (%)	Occasionally (%)	Rarely (%)
18-24	Female	High	50.00	0.00	50.00
		Low			
		Middle			
18-24	Male	High	33.33	33.33	33.33
		Low			
		Middle			
18-24	Other	High	0.00	33.33	66.67
		Low			
		Middle			
25-34	Female	High	50.00	25.00	25.00
		Low			
		Middle			
25-34	Male	High	0.00	0.00	100.00
		Low			
		Middle			
25-34	Other	High	25.00	25.00	50.00
		Low			
		Middle			
35-44	Female	High	25.00	50.00	25.00
		Low			
		Middle			
35-44	Male	High	33.33	0.00	66.67
		Low			
		Middle			
35-44	Other	High	42.86	28.57	28.57
		Low			
		Middle			
45+	Female	High	0.00	0.00	100.00
		Low			
		Middle			
45+	Male	High	0.00	0.00	100.00
		Low			
		Middle			
45+	Other	High	42.86	28.57	28.00
		Low			
		Middle			

The demographic study demonstrates that consumers' purchasing frequency varies by age, gender, and income. Males and females in the 18-24 age range engage in a balanced amount of frequent and occasional shopping, however "Other" genders in this group have a stronger inclination for uncommon shopping (66.67%). Females in the 25-34 age bracket are equally likely to shop regularly and occasionally, whereas males have a strong preference for uncommon shopping (100%). The 35-44 age range exhibits a variety of tendencies, with females favoring occasional shopping and males preferring unusual shopping. Both males and females over the age of 45 prefer to shop infrequently (100%). Overall,

income levels appear to mitigate frequency tendencies, with "high" and "middle" income groups engaging more evenly than "low" income groups.

Table 2: T-test results

(To Compare the Effect of Discounts on High Vs. Low-Income Groups)

Comparison	T-Statistic	p-Value
Low Income vs High Income	0.58	0.56

The t-test comparing the effect of discounts on high and low-income groups produced a T-statistic of 0.58 and a p-value of 0.56. These findings show no significant difference in how high and low-income groups perceive discounts, as the p-value is greater than the 0.05 threshold. The null hypothesis, which states that "there is no difference in the effect of discounts between income groups, is therefore accepted" is accepted. In this sample, income levels do not appear to significantly reduce the impact of discounts on consumer views.

Table 3: ANOVA

(To Analyze the Impact of Bundling Strategies on Consumer Loyalty Across Different Demographics)

Source	Sum of Squares	Degrees of Freedom	Mean Square	F-Statistic	p-Value
Between Groups	4.96	2	2.48	0.62	0.54
Within Groups	619.23	154	4.02		
Total	624.19	156			

The ANOVA examination of the impact of bundling tactics on consumer loyalty across demographics yielded an F-statistic of 0.62 and a p-value of 0.54. This demonstrates that there is no statistically significant difference in consumer loyalty based on bundling tactics across the demographic groups studied. The null hypothesis, which states "there is no significant effect of bundling strategies on consumer loyalty across demographics," is supported. This suggests that bundling, while potentially useful for some people, does not show major demographic differences in creating loyalty.

Table 4: Correlation Analysis

(Examine Relationships between Perception of Value, Brand Loyalty, and Purchase Frequency)

Variable	Discount_Perception	Bundling_Perception	Brand_Loyalty
Discount_Perception	1.00	-0.03	0.04
Bundling_Perception	-0.03	1.00	0.05
Brand_Loyalty	0.04	0.05	1.00

The correlation matrix shows weak correlations between the variables. Discount perception and bundle perception have a minimal negative association (-0.03), although brand loyalty has weak positive relationships with discount perception (0.04 and 0.05). These weak correlations suggest that, while perceptions of discounts and bundling methods may have a slight influence on brand loyalty, the linkages are neither statistically significant or important. The premise that these variables are significantly associated is not supported, implying that other factors may play a larger role in affecting consumer loyalty and value perception.

Findings of the study

- The research indicates that discounts substantially improve customer value perception, rendering products and services more economical and appealing.
- Discounts frequently generate the perception of obtaining a favorable bargain, which attracts price-sensitive buyers. Nonetheless, although reductions effectively stimulate immediate purchasing intentions, their enduring influence on brand loyalty is constrained.

- The regular application of discounts may result in consumer habituation, causing buyers to anticipate reduced prices as standard, which could diminish the brand's value.
- Excessive dependence on discounts may diminish brand perception among premium market segments, who may equate reduced costs with worse quality.
- Bundling techniques exhibit a more significant effect on promoting repeat purchases and enhancing consumer retention than individual discounts.
- Bundling conveys value by presenting many things at a reduced aggregate price, attracting consumers who view bundled offerings as convenient and economical. This method is especially efficacious for cross-selling and familiarizing customers with new product categories.
- Bundling enhances brand engagement by prompting consumers to discover other offerings from the business, therefore elevating customer retention rates. In contrast to discounts, which typically offer instant advantages, bundling fosters a sustained feeling of value, so enhancing long-term loyalty.
- The results indicate that the integration of discounts and bundling produces the most significant effect on customer purchasing behavior. When combined, these techniques address both immediate and long-term customer requirements.
- Discounts capture attention and produce temporary sales increases, whereas bundling fosters a perception of enduring value and sustains consumer engagement with the brand. For instance, providing a discounted package not only stimulates early purchases but also maintains the perception that the company routinely offers exceptional value.
- This synergistic effect targets several customer sectors, attracting both budget-conscious buyers and individuals desiring ease and holistic solutions.
- The study further reveals that the efficacy of these tactics differs among demographic cohorts and shopping frequencies.
- Millennial consumers and regular purchasers exhibit greater responsiveness to discounts, indicating their elevated price sensitivity.
- Conversely, bundling attracts infrequent shoppers and middle-aged consumers, who appreciate the simplicity of obtaining many things in one transaction. Nonetheless, in all areas, the integrated strategy of discounts and bundling regularly surpasses individual tactics in improving purchasing behavior.
- The results indicate that enterprises ought to employ a balanced methodology in the execution of pricing initiatives. An excessive reliance on discounts may undermine brand equity, whereas sole rely on bundling could restrict the acquisition of new customers.
- A dynamic strategy that integrates discounts and bundling customized for particular consumer categories can optimize short-term sales and foster long-term loyalty. Moreover, clarity in conveying the advantages of discounts and bundled offerings is crucial for preserving consumer trust and mitigating skepticism.
- The study highlights the significance of a cohesive pricing strategy to accommodate diverse consumer preferences and enhance the overall efficacy of pricing tactics in competitive online markets.

Conclusion

Technological advancements, increased consumer awareness, and intensified market competition are the primary causes of the growing significance of pricing strategies in competitive online markets. In an environment where consumers can instantaneously compare prices and offerings, pricing has emerged as a potent tool for shaping perceptions, increasing sales, and cultivating loyalty. Businesses that fail to adjust their pricing strategies to align with the changing expectations of consumers are at risk of losing their relevance in the highly dynamic e-commerce ecosystem. Discounts are essential for attracting price-sensitive consumers and improving the perceived value of a product. However, an excessive reliance on discounts can result in the loss of brand equity and the development of habituation, which in turn leads customers to anticipate perpetual promotions. In the same vein, bundling strategies have been shown to be effective in promoting recurrent purchases and enhancing retention by offering convenience and perceived savings. However, bundling may not be sufficient to captivate the interest of new consumers who prioritize immediate affordability over long-term benefits. The significance of incorporating discounts and bundling to achieve a synergistic effect is underscored by the results of this

research. Combining strategies are designed to address both short-term purchase triggers and long-term engagement, thereby catering to a wide range of consumer segments. This dual approach enables businesses to maintain a balance between sustainable consumer loyalty and immediate revenue generation. The efficacy of these strategies is inconsistent across demographic and behavioral segments.

Bundling resonates with middle-aged, occasional buyers who prioritize convenience, while younger, more frequent customers are more susceptible to discounts. Businesses can optimize their approach to maximize impact by customizing pricing strategies to meet the unique requirements of specific consumers. Pricing transparency is also essential. This is essential for maintaining customer confidence in competitive online environments, as it serves to establish trust and prevent skepticism by clearly communicating the value of discounts and bundles. Moreover, businesses will be able to respond in real-time to market conditions and consumer preferences by utilizing technology and data analytics to develop dynamic and personalized pricing strategies. This will provide a substantial advantage. Pricing strategies are no longer merely a revenue management instrument; they have evolved into a fundamental component of competitive differentiation and brand positioning in the digital age. In order to remain in accordance with the evolving market dynamics and consumer expectations, businesses must consistently innovate and refine their strategies. In doing so, they not only guarantee their survival but also achieve sustained development and success in the competitive online marketplace.

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