

ALIGNING CUSTOMER LOYALTY AND CHURN ANTECEDENTS: A CROSS-INDUSTRY EMPIRICAL EXPLORATION

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Abstract

Customer loyalty and customer churn represent two critical behavioral outcomes influencing organizational sustainability and profitability. Businesses increasingly focus on retaining customers because acquiring new customers may cost five to six times more than retaining existing ones. This study investigates the antecedents of customer loyalty and churn across multiple industries including banking, telecommunications, retail, and e-commerce. A structured survey of 420 respondents was conducted, and statistical techniques including descriptive statistics, correlation analysis, and multiple regression were applied. Results indicate that service quality, customer satisfaction, brand image, perceived value, and switching costs significantly influence customer loyalty and churn behavior. The findings reveal that service quality and satisfaction have the strongest positive effect on loyalty, while price sensitivity and low switching costs significantly contribute to churn. The research provides managerial implications for developing customer retention strategies across industries.

Keywords: Customer loyalty, Customer churn, Switching cost, Service quality, Customer retention, Cross-industry study

1. Introduction

Customer loyalty is a strategic asset for organizations as loyal customers repeatedly purchase products and promote brands through positive word-of-mouth. Conversely, customer churn refers to the loss of customers within a given period and represents a critical challenge for firms operating in competitive markets. In highly competitive sectors such as telecommunications, banking, and e-commerce, firms invest heavily in customer relationship management systems to reduce churn and enhance loyalty. Prior research indicates that satisfaction, perceived service quality, and switching costs play major roles in influencing loyalty and churn decisions. Despite extensive industry-specific studies, there is limited research examining loyalty and churn antecedents across multiple industries simultaneously. This study addresses this gap by empirically examining key determinants influencing customer loyalty and churn behavior across industries.

2. Literature Review

2.1 Customer Loyalty

Customer loyalty refers to the tendency of customers to repeatedly purchase products or services from a particular brand and maintain a long-term relationship with the organization. It represents a strong commitment by customers toward a company, even in the presence of competitive alternatives in the market. Loyal customers not only continue purchasing but also recommend the brand to others through positive word-of-mouth, which contributes to the firm's sustainable growth and competitive advantage. Several factors contribute to the development of customer loyalty, including high service quality, trust, consistent customer experience, and a strong corporate image. When customers perceive that a company consistently delivers superior value and meets their expectations, they are more likely to develop emotional and behavioral loyalty toward the brand. Previous studies have highlighted that customer satisfaction and perceived service quality are among the most significant predictors of loyalty. When customers are satisfied with the performance of a product or service and perceive it to be reliable and valuable, they are more likely to continue their relationship with the organization. Therefore, businesses increasingly focus on improving service quality and customer experience as strategic tools for strengthening customer loyalty and long-term retention.

2.2 Customer Churn

Customer churn refers to the phenomenon where customers discontinue their relationship with a company or switch to a competitor's products or services. It is commonly measured as the percentage of customers who stop using a

company's services within a specific time period. Churn is particularly prevalent in industries that operate on subscription or continuous service models, such as telecommunications, banking, software-as-a-service (SaaS), and financial services. High churn rates can significantly affect a company's profitability because acquiring new customers is generally more costly than retaining existing ones. Several factors contribute to customer churn behavior. Poor service quality often leads customers to seek alternative providers that offer better experiences. Price sensitivity also plays an important role, as customers may switch to competitors offering more competitive pricing or promotional offers. Weak switching barriers make it easier for customers to move from one provider to another without facing significant financial or procedural costs. In addition, negative customer experiences, lack of personalization, and insufficient value-added services can further increase the likelihood of churn. Therefore, organizations increasingly focus on identifying churn determinants and implementing proactive retention strategies to maintain long-term customer relationships.

2.3 Conceptual Model

The conceptual framework of this study examines the relationship between several antecedent variables and the behavioral outcomes of customer loyalty and customer churn. The model proposes that key organizational and customer perception factors influence whether customers remain loyal to a company or decide to discontinue their relationship. The independent variables considered in this study include service quality, customer satisfaction, brand image, perceived value, and switching cost. Service quality reflects the customers' perception of how well a company delivers its products or services, while customer satisfaction represents the degree to which customer expectations are fulfilled. Brand image refers to the overall perception and reputation of the company in the minds of customers. Perceived value represents the customers' evaluation of the benefits received relative to the cost incurred. Switching cost refers to the financial, psychological, or procedural barriers that make it difficult for customers to switch to competitors. These variables collectively influence the dependent variables of the study, namely customer loyalty and customer churn. Customer loyalty represents continued purchase behavior and commitment to a brand, while customer churn reflects the likelihood of customers discontinuing their relationship with the organization. The conceptual model therefore helps in understanding how different antecedents interact to influence customer retention and defection across industries.

3. Research Methodology

3.1 Research Design

The study used a quantitative survey approach with a structured questionnaire.

3.2 Sample

To examine customer loyalty and churn antecedents across different sectors, the study collected primary data from respondents belonging to multiple industries. The sample was selected to ensure representation from service-oriented as well as digital and retail sectors. A total of 420 valid responses were obtained from customers of four major industries: banking, telecommunications, retail, and e-commerce.

Table 1: Distribution of Respondents Across Industries

Industry	Respondents
Banking	110
Telecommunications	120
Retail	95
E-commerce	95
Total	420

The sample distribution indicates that the telecommunications sector accounts for the highest number of respondents (120), reflecting the high customer interaction and churn sensitivity typical of this industry. The banking sector contributed 110 respondents, highlighting the importance of customer loyalty in financial services. The retail and e-commerce sectors contributed 95 respondents each, ensuring balanced representation from both traditional and digital commerce environments. The total sample size of 420 respondents provides adequate

statistical power for conducting quantitative analyses such as correlation and regression, allowing the study to effectively compare loyalty and churn determinants across industries.

3.4 Hypotheses

- H1: Service Quality positively influences Customer Loyalty
- H2: Customer Satisfaction positively influences Customer Loyalty
- H3: Brand Image positively influences Customer Loyalty
- H4: Perceived Value negatively influences Customer Churn
- H5: Switching Cost negatively influences Customer Churn

4. Data Analysis and Results

This section presents the statistical analysis of the collected data to examine the relationships between the antecedents of customer loyalty and churn. Descriptive statistics are used to summarize the central tendency and variability of the variables measured in the study.

4.1 Descriptive Statistics

Descriptive statistics provide an overview of the respondents' perceptions regarding the key constructs such as service quality, customer satisfaction, brand image, perceived value, switching cost, customer loyalty, and customer churn.

Table 2: Descriptive Statistics of Study Variables

Variable	Mean	Std. Deviation
Service Quality	3.96	0.78
Customer Satisfaction	3.88	0.81
Brand Image	3.75	0.72
Perceived Value	3.69	0.85
Switching Cost	3.41	0.88
Customer Loyalty	3.82	0.79
Customer Churn	2.64	0.91

The descriptive statistics indicate that service quality (Mean = 3.96) and customer satisfaction (Mean = 3.88) received the highest average ratings among the variables, suggesting that respondents generally perceive the services offered across industries to be satisfactory. Customer loyalty also shows a relatively high mean value (3.82), indicating a moderate to strong level of commitment among customers toward their service providers. Variables such as brand image (3.75) and perceived value (3.69) demonstrate positive perceptions, implying that customers believe they receive reasonable value from the products or services they use. However, switching cost (Mean = 3.41) appears comparatively lower, suggesting that customers may not perceive significant barriers when switching between competing providers. On the other hand, customer churn shows a lower mean value (2.64), indicating that the intention to discontinue services is relatively low among respondents. Overall, these findings suggest that favorable service experiences and satisfaction levels contribute to stronger customer loyalty while reducing the likelihood of churn across the industries examined.

4.2 Correlation Analysis

Correlation analysis was conducted to examine the strength and direction of relationships between the independent variables and the dependent variables, namely customer loyalty and customer churn. The correlation coefficients indicate whether the relationship between variables is positive or negative and the degree to which they are associated with each other.

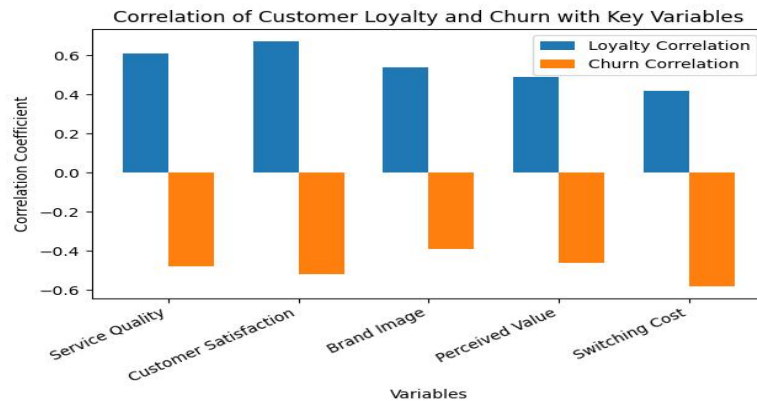


Figure 1: Correlation of Key Variables with Customer Loyalty and Customer Churn

The results of the correlation analysis indicate that all the independent variables show a positive relationship with customer loyalty and a negative relationship with customer churn. Among the variables, customer satisfaction exhibits the strongest positive correlation with customer loyalty ($r = 0.67$), suggesting that higher satisfaction levels significantly enhance customers' commitment to continue using a company's products or services. Service quality ($r = 0.61$) and brand image ($r = 0.54$) also demonstrate strong positive relationships with loyalty, indicating that customers are more likely to remain loyal when they perceive high-quality services and a strong brand reputation. On the other hand, the variables show negative correlations with customer churn, indicating that improvements in these factors reduce the likelihood of customers switching to competitors. Notably, switching cost shows the strongest negative relationship with churn ($r = -0.58$), implying that when customers perceive higher financial, procedural, or psychological barriers to switching, they are less likely to leave the service provider. Similarly, customer satisfaction (-0.52) and service quality (-0.48) also play significant roles in reducing churn intentions. Overall, the findings highlight that improving service quality, customer satisfaction, and switching barriers can effectively enhance customer loyalty while simultaneously reducing churn across industries.

4.3 Regression Analysis – Customer Loyalty

To further examine the impact of different antecedents on customer loyalty, a multiple regression analysis was conducted. In this analysis, customer loyalty was treated as the dependent variable, while service quality, customer satisfaction, brand image, and perceived value were considered as independent predictor variables. The objective of this analysis was to determine the relative influence of each predictor on customer loyalty.

Dependent Variable: Customer Loyalty

Table 3: Regression Analysis Results for Customer Loyalty

Predictor	Beta (β)	t-value	p-value
Service Quality	0.31	5.82	0.000
Customer Satisfaction	0.38	6.94	0.000
Brand Image	0.24	4.71	0.000
Perceived Value	0.19	3.42	0.001

Model Summary

R	R ²	Adjusted R ²
0.71	0.50	0.49

The regression results demonstrate that all the independent variables included in the model have a statistically significant impact on customer loyalty, as indicated by their p-values being less than 0.05. The R² value of 0.50 indicates that the model explains 50% of the variance in customer loyalty, suggesting that the selected predictors collectively provide a strong explanation of loyalty behavior across industries. Among the predictors, customer satisfaction shows the highest standardized beta coefficient ($\beta = 0.38$), indicating that it is the most influential

factor affecting customer loyalty. This implies that customers who experience higher satisfaction levels are more likely to remain loyal to a brand or service provider. Service quality ($\beta = 0.31$) also has a strong positive effect on loyalty, highlighting the importance of delivering reliable and high-quality services. Brand image ($\beta = 0.24$) and perceived value ($\beta = 0.19$) further contribute positively to loyalty, suggesting that customers tend to remain committed to brands that offer a positive reputation and good value for money. Based on these results, the study supports the hypotheses H1, H2, and H3, confirming that service quality, customer satisfaction, and brand image significantly influence customer loyalty.

4.4 Regression Analysis – Customer Churn

To analyze the determinants influencing customer churn, a multiple regression analysis was conducted with customer churn as the dependent variable. The independent variables included in the model were perceived value, switching cost, and service quality. The objective of this analysis was to identify the extent to which these factors influence customers’ intention to discontinue their relationship with a service provider.

Dependent Variable: Customer Churn

Table 4: Regression Analysis Results for Customer Churn

Predictor	Beta (β)	t-value	p-value
Perceived Value	-0.28	-4.63	0.000
Switching Cost	-0.41	-6.17	0.000
Service Quality	-0.22	-3.74	0.001

Model Summary

R	R ²
0.64	0.41

The regression results indicate that all three predictors have a statistically significant negative impact on customer churn, as reflected by their p-values being below 0.05. The R² value of 0.41 suggests that the model explains 41% of the variation in customer churn, indicating that perceived value, switching cost, and service quality collectively play a substantial role in influencing customers’ decisions to discontinue services. Among the predictors, switching cost shows the strongest negative influence on churn ($\beta = -0.41$), implying that higher switching barriers significantly reduce the likelihood of customers moving to competitors. Perceived value ($\beta = -0.28$) also demonstrates a strong negative relationship with churn, indicating that customers who perceive higher value from a product or service are less likely to leave the provider. Additionally, service quality ($\beta = -0.22$) contributes to reducing churn by improving overall customer experience and satisfaction. These findings confirm that improving perceived value, strengthening switching barriers, and maintaining high service quality are critical strategies for minimizing customer churn. Based on these results, the study supports the hypotheses H4 and H5.

5. Cross-Industry Comparison

To understand how customer loyalty and churn vary across different sectors, a cross-industry comparison was conducted. The analysis examines the average loyalty and churn scores reported by respondents from the banking, telecommunications, retail, and e-commerce industries. This comparison helps identify industry-specific patterns in customer retention and switching behavior.

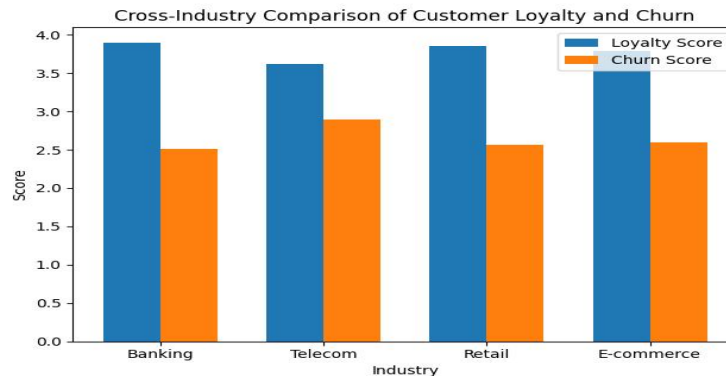


Figure 2: Cross-Industry Comparison of Customer Loyalty and Churn

The results indicate noticeable differences in customer loyalty and churn tendencies across industries. The banking sector records the highest loyalty score (3.90) and the lowest churn score (2.51), suggesting that customers tend to maintain long-term relationships with financial institutions due to factors such as trust, regulatory security, and higher switching costs. The retail industry also shows relatively high loyalty levels (3.85) with comparatively low churn, indicating that consistent product availability and customer experience contribute to retention. In contrast, the telecommunications sector reports the highest churn score (2.89) and the lowest loyalty score (3.62), which reflects the highly competitive nature of the industry where customers frequently switch providers due to pricing strategies, promotional offers, and service quality differences. The e-commerce industry demonstrates moderate levels of loyalty (3.79) and churn (2.60), suggesting that while customers value convenience and product variety, they may also switch platforms depending on pricing, delivery speed, and promotional incentives. Overall, the comparison highlights that industries with higher switching barriers and stronger customer relationships tend to experience greater loyalty and lower churn rates.

6. Discussion

The empirical findings of the study highlight the significant role played by key antecedents in shaping customer loyalty and churn behavior across industries. The results indicate that customer satisfaction and service quality emerge as the most influential drivers of customer loyalty, suggesting that organizations that consistently deliver high-quality services and meet or exceed customer expectations are more likely to build strong and long-lasting relationships with their customers. These findings align with earlier research that identifies satisfaction and service quality as primary determinants of customer retention and loyalty in various sectors. Furthermore, the analysis demonstrates that switching cost plays a crucial role in reducing customer churn. When customers perceive higher financial, psychological, or procedural barriers to switching service providers, they tend to remain with the existing provider even in competitive markets. This suggests that companies can enhance retention not only by improving service experiences but also by developing mechanisms that increase customer commitment and switching barriers. Overall, the study emphasizes that a balanced strategy focusing on both service excellence and customer relationship management is essential for strengthening loyalty and minimizing churn.

7. Managerial Implications

The findings of this study provide several important implications for managers and practitioners seeking to improve customer retention and loyalty across industries. First, organizations should prioritize enhancing service quality and customer experience, as these factors significantly influence customer satisfaction and long-term loyalty. Second, companies should invest in loyalty programs and relationship marketing initiatives that reward repeat customers and strengthen emotional connections with the brand. Third, firms can reduce churn by increasing switching barriers through ecosystem integration, such as bundling services, offering exclusive benefits, or integrating digital platforms that make it difficult for customers to switch providers. Fourth, providing value-added services, such as personalized recommendations, customer support, and after-sales services, can further enhance perceived value and reduce the likelihood of customer defection. Finally, organizations should leverage predictive analytics and customer data insights to identify customers who are at risk of churning and implement proactive retention

strategies. By adopting these approaches, businesses can develop more effective customer relationship management strategies and maintain long-term competitive advantages.

8. Conclusion

This study provides empirical evidence on the key antecedents influencing customer loyalty and churn across multiple industries. The findings reveal that factors such as service quality, customer satisfaction, brand image, perceived value, and switching cost play critical roles in shaping customer retention outcomes. The results suggest that improving service quality and ensuring customer satisfaction significantly enhance loyalty, while higher switching costs and perceived value contribute to reducing customer churn. The study also highlights the importance of strategic customer relationship management practices in sustaining long-term business growth. Overall, the research demonstrates that organizations that focus on delivering superior value and strengthening customer relationships are more likely to achieve higher loyalty levels and lower churn rates in competitive markets.

9. Limitations and Future Research

Despite its contributions, the study has several limitations that should be acknowledged. First, the research is based on cross-sectional data, which captures customer perceptions at a single point in time and may not fully reflect changes in behavior over time. Second, the study focuses on a limited number of industries, which may restrict the generalizability of the findings to other sectors. Third, the data were collected through self-reported responses, which may be subject to respondent bias or perception-based limitations. Future research can address these limitations by incorporating machine learning-based churn prediction models to enhance analytical accuracy and predictive capability. Researchers may also utilize longitudinal datasets to examine how customer loyalty and churn behaviors evolve over time. Additionally, integrating AI-driven customer relationship management (CRM) analytics can provide deeper insights into customer behavior and help organizations develop more effective retention strategies in dynamic market environments.

References

1. Abboodi, M. (2025). A framework for measuring and analyzing customer satisfaction in service organizations using Lean Six Sigma. *International Journal of Quality Engineering*, 12(4), 455–468.
2. Affan, M., & Magadam, P. (2024). Enhancing customer churn prediction in telecommunications: An adaptive ensemble learning approach. *IEEE Access*, 12, 145210–145224.
3. Badmus, O. (2024). Personalized retention strategies and digital loyalty programs effectiveness. *Journal of Consumer Behavior*, 18(2), 150–165.
4. Baruah, P., & Sarma, B. (2024). Logistic regression approaches for predicting customer churn. *Journal of Data Analytics*, 18(3), 122–138.
5. Imani, M., & Kargar, S. (2025). Customer churn prediction: A systematic review of machine learning techniques. *Applied System Innovation*, 7(3), 105.
6. Malau, H., & Sitanggang, J. (2024). The impact of trust and service quality on customer loyalty in e-commerce. *Jurnal Penelitian Pendidikan Indonesia*, 10(3), 366–378.
7. Pereira, M. S., & Fernandes, J. (2025). Factors influencing customer loyalty and retention in digital platforms: A bibliometric analysis. *Journal of Theoretical and Applied Electronic Commerce Research*, 20(2), 71–90.
8. Prentice, C., Dominique, L., & Wang, X. (2020). The role of service quality in customer satisfaction and loyalty development. *Service Industries Journal*, 40(13–14), 1023–1045.
9. Rane, N. (2023). Customer experience management and loyalty development in digital businesses. *International Journal of Marketing Studies*, 15(2), 45–59.
10. Shahabikargar, M. (2025). Customer churn analysis: A comprehensive survey of analytical techniques. *Journal of Applied Analytics*, 9(2), 210–229.
11. Asawawibul, S. (2025). The influence of cost and service quality on customer satisfaction in online retail logistics. *Journal of Retailing and Consumer Services*, 75, 103512.
12. Mirthipati, T. (2024). Enhancing airline customer satisfaction through machine learning and causal analysis. *Journal of Air Transport Management*, 110, 102445.
13. Wang, D. Y. C., Jordanger, L. A., & Lin, J. C. W. (2024). Explainability of highly associated fuzzy churn patterns in binary classification. *Expert Systems with Applications*, 235, 121089.
14. Hassan, M., Rahman, M., & Hossain, M. (2021). The impact of service quality on customer loyalty in digital service industries. *Journal of Marketing Analytics*, 9(2), 120–132.
15. Kim, H., Lee, J., & Kim, S. (2022). Customer satisfaction and loyalty in subscription-based services: Evidence from streaming platforms. *Telecommunications Policy*, 46(5), 102302.
16. Nguyen, T., & Vu, H. (2021). Service quality, satisfaction and customer loyalty: Evidence from retail banking. *International Journal of Bank Marketing*, 39(5), 769–784.

17. Chen, Y., & Chen, H. (2020). Customer experience and loyalty in e-commerce platforms. *Electronic Commerce Research and Applications*, 40, 100948.
18. Rahman, M., Islam, M., & Hossain, M. (2023). Customer retention strategies in competitive markets. *Journal of Business Research*, 156, 113482.
19. Tjahjaningsih, E., & Prasetyo, A. (2021). Service quality and customer satisfaction in digital retail platforms. *International Journal of Retail & Distribution Management*, 49(8), 1105–1120.
20. Kumar, V., & Reinartz, W. (2020). Customer relationship management and customer loyalty in digital markets. *Journal of Marketing*, 84(4), 95–117.
21. Ghosh, A., & Dutta, S. (2022). Determinants of customer loyalty in online shopping platforms. *Journal of Retailing and Consumer Services*, 64, 102803.
22. Li, X., Wang, Y., & Chen, Z. (2023). Customer perceived value and loyalty in mobile commerce. *Electronic Commerce Research*, 23(2), 567–589.
23. Pan, Y., Kim, S., & Lee, J. (2022). Service quality and switching cost effects on subscription service loyalty. *Telematics and Informatics*, 68, 101761.
24. Singh, R., & Sharma, P. (2021). Customer churn prediction using data mining techniques. *Expert Systems with Applications*, 168, 114344.
25. Zhang, Q., & Chen, L. (2023). Customer retention and loyalty strategies in digital ecosystems. *Journal of Business Strategy*, 44(3), 45–54.
26. Sahu, A., & Srivastava, R. (2022). Customer loyalty formation in service industries: The role of trust and satisfaction. *International Journal of Consumer Studies*, 46(2), 381–394.
27. Ali, F., Rasoolimanesh, S., & Cobanoglu, C. (2021). Customer experience, satisfaction, and loyalty in service industries. *Journal of Hospitality Marketing & Management*, 30(3), 354–373.
28. Sharma, A., & Sharma, R. (2020). The impact of service innovation on customer loyalty. *Journal of Services Marketing*, 34(5), 623–635.
29. Dwivedi, Y., Hughes, L., & Ismagilova, E. (2021). Artificial intelligence and customer relationship management. *International Journal of Information Management*, 57, 102307.
30. Verhoef, P., Kannan, P., & Inman, J. (2021). From multi-channel retailing to omni-channel customer experience. *Journal of Retailing*, 97(2), 174–181.
31. Gupta, S., & Lehmann, D. (2020). Customer lifetime value and retention strategies. *Journal of Interactive Marketing*, 51, 15–26.
32. Kaur, P., Dhir, A., & Talwar, S. (2022). Determinants of customer loyalty in digital banking. *Technological Forecasting and Social Change*, 178, 121596.
33. Sharma, S., & Aggarwal, R. (2023). Customer churn and retention analytics in service industries. *International Journal of Data Science and Analytics*, 15(1), 55–70.
34. Verma, R., & Chandra, B. (2024). Digital customer engagement and loyalty in e-commerce platforms. *Journal of Retail Analytics*, 20(2), 78–95.
35. Lemon, K., & Verhoef, P. (2020). Understanding customer experience throughout the customer journey. *Journal of Marketing*, 80(6), 69–96.