Identify the After-Sales Service Quality Factors, Influence the Repurchase Intentions of Selected White Goods

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Abstract: The expansion of the white goods industry is directly related to the level of consumer contentment, the quality of after-sale care, and the likelihood of future product purchases. To ensure customer happiness, businesses must do things like promptly replacing broken components throughout the product's warranty term and providing straightforward instructions for obtaining assistance. It is crucial for companies selling consumables like home items, pet food, cosmetic basics, and baby supplies to encourage consumers to renew their supply on a regular basis. This is the type of purchasing behavior that may increase ROI and guarantee long-term success. White-goods repurchase intent was analyzed in this research. Because of this, the Kendall's W test is used to determine whether or not there is a statistically significant difference between groups that otherwise seem the same.

Keywords Repurchase Intension, White goods, Service quality, revenue of investment, Service Quality

Introduction

White goods are major household appliances or consumer durables that have historically only been offered in white. Despite the fact that these items may now be purchased in a variety of hues, they are still often referred to as "white products." Appliances such as a washer, dryer, drying cabinet, freezer, fridge, stove, microwave, air conditioner, water heater, and induction cooker are all included. Voltas Ltd., Videocon Industries Ltd., Bosch, Haier, IFB Industries, Godrej, Bluestar, Whirlpool Corporation, LG Electronics, Inc., Samsung, and Hitachi Ltd. are among the market's most prominent participants. The expansion of the white goods industry is directly related to the level of consumer contentment, the quality of after-sale care, and the likelihood of future product purchases. To ensure customer happiness, businesses must do things like promptly replacing broken components throughout the product's warranty term and providing straightforward instructions for obtaining assistance. Companies have an obligation to their customers that continues much beyond the point of sale. Companies have an obligation to their customers that continues much beyond the point of sale. Doing so will lead to a steady rise in customers' intent to repurchase. This strengthens the bond of confidence and devotion between the company and its clientele.

The in-store shopping experience is the main topic of this study. In particular, it looks at which components of stores—both physical and psychological—influence customers' actions. The suggested model is based on a combination of many ideas from the literature. It examines shoppers' intentions to make repeat purchases at a certain retail establishment. It does this by creating a twelve-factor, three-dimensional research model. The suggested study model delves

further, looking at how six antecedents (store attributes) affect five dimensions of customer behavior. The research hypothesizes that these five elements moderate the effect of the antecedents on consumers' propensity to make a repeat purchase. The purpose of the statistical analysis is to provide a model that may explain the factors that influence consumers' choices and their likelihood to make repeat purchases.

Literature Review

Bui Thanh KHOA et.al (2020) The purpose of this is that as human existence improves, so do people's requirements. The fashion industry is one that is becoming more and more demanding. As the fashion industry supplies necessities for human existence, businesses in this sector are always on the lookout for methods to strengthen their connections with consumers and encourage repeat purchases. The purpose of this research is to better understand what influences buyers to repurchase aesthetically pleasing fashion items. Data collection and analysis methodology: To get to the bottom of things, researchers often use a combination of approaches. Ho Chi Minh City, Vietnam's most affluent metropolis, served as the setting for both qualitative research in the form of in-depth interviews with eleven subject matter experts and quantitative research in the form of a survey of 467 residents. Results: According to the findings, a shopper's loyalty to a fashion brand and the likelihood that they would return to that brand's physical location are both positively affected by the designer's reputation, the fashion brand's use of social media, and the ambiance of the fashion brand's physical location. In particular, a good customer connection has a constructive effect on the propensity to repurchase fashion items that have been developed. The research concluded with some management suggestions for fostering customer relationships and encouraging repeat purchases in the fashion business.

Muraly Ganesh A/L Doraisamy (2019) This study aims to explain how and why after-sale service affects consumers' opinions of electrical products. Participants were clients of a major retail chain selling home appliances. The study's overarching goal is to learn whether and how after-sale service factors into customers' overall happiness. Only those who have bought an electrical item from AEON in the previous year were invited to participate. Around 500 participants will serve as the sample size for this study. Unfortunately, only 315 surveys were useable for this study. Quantitative methods were used in the investigation. Online survey software was used for the survey's layout, and it was disseminated through email and social media. Researchers may learn more precisely about the connection between the five independent variables (reliability, tangibility, responsiveness, assurance, and empathy) that function as elements influencing consumer satisfaction with the sales after service quality thanks to these surveys. Normality test, reliability test, correlation coefficient, and multiple regressions are all part of the study analysis. Customer satisfaction was shown to be most affected by how quickly questions were answered, how dependable the service was, and how real the product seemed. But, there is also a favorable correlation between the other two qualities (confidence and empathy) and consumer happiness. Pearson's correlation analysis shows that the dependability and tangibility factors have a positive and substantial impact on customer satisfaction in the Klang Valley.

Muhammad Ashfaq (2019) The purpose of this research is to investigate the nexus between excellent post-purchase care and satisfied, loyal customers. In addition, this research details the function that customer satisfaction plays as a mediator between after-sale services including delivery and installation as well as product warranties, phone and online assistance, upgrades, and complaints. 204 people in Pakistan who were actively using the Internet (through 3G, 4G devices, or fixed broadband) were selected at random to participate in an online survey. A five-point Likert scale with 38 questions was used in the online survey. The hypotheses were evaluated using structural equation modeling (SEM). According to the findings, (a) after-sale services have a beneficial effect on customer satisfaction, (b) customer satisfaction has a direct and positive effect on loyalty, and (d) customer satisfaction partly mediates the relationship between after-sale service and loyalty. This research delves at the factors that help service providers keep their clients happy and loyal for the long haul. Moreover, this study has the potential to add to the literature by suggesting that after-sale service, customer happiness, and customer loyalty all have a positive correlation.

L. G. Pee, et.al (2018) Post-Purchase Support To stand out from the crowd of other online vendors and get loyal repeat consumers, focus on quality. Yet, potential buyers are unable to quickly evaluate the reliability of unknown vendors. As the website is the primary point of interaction between the seller and the online consumer, it's no surprise that many sellers go to great lengths to ensure a user-friendly interface. Pre-purchase effects are where the majority of signaling studies have concentrated. Researchers have speculated that signaling might impact future purchases, but the exact mechanism through which signaling affects repurchase intention remains unclear. Based on the findings of the study's analyses of signaling theory and the expectation-confirmation model, a model of influence is proposed. According to the concept, after an online shopper's expectations have been influenced by a signal, the confirmation of those expectations will then decide the shopper's propensity to make a repeat purchase. Two-stage survey data obtained before and after a purchase were used to evaluate the model using structural equation modeling. The results show that signaling has an effect on repurchase intent even after the original purchase has been made. This calls for more study into the impact of signaling across longer time periods than are generally considered in signaling studies. The results imply that, in order to encourage repeat business from existing consumers, internet retailers should use more grounded approaches to marketing.

Subhra Mondal et.al (2017) Using confirmatory factor analysis (CFA) in the R programming language, with factor structure assessed via chi-square statistics, this paper aims to examine how respondents' socioeconomic status affects variables like store image, customer loyalty & satisfaction in terms of price, quality, loyalty, customer care, payment preference, and factors which influence consumers' purchasing power. Several correlations between customer profiles, prices, and perceptions seem to be quite substantial. This research builds on prior EFA-based research and makes use of exploratory factor analysis's end result.

Methods

Seven Powerful Strategies to Increase Repeat Purchase

The cost of acquiring a new client far outweighs the cost of keeping an existing one. A significant chunk of the earnings come from the company's loyal client base. Repeat customers may account for as much as 40% of a company's income, and studies suggest that a 5% increase in customer retention can increase earnings by 25% to 95%. It is crucial for companies selling consumables like home items, pet food, cosmetic basics, and baby supplies to encourage consumers to renew their supply on a regular basis. Consistent spending like this is great for ROI and long-term success.

1. Get in touch with relevant content after your purchase. Many companies make the mistake of stopping all targeted advertising after a customer has completed a purchase. Keeping in touch with your clients after they've made a purchase may help your brand stick in their minds and encourage repeat business. Keep customers interested by providing them with information that will help them make the most of their purchase. This could be in the form of a video tutorial on how to use the product they just bought (in the case of a beauty company) or a blog post with advice on how to raise a child (in the case of a baby product retailer). In real time, you can send this information through email, in-app messaging, push notifications, and more with the help of a marketing automation tool.

2. Initiate events in the here and now At various points in the buying process, customers exhibit distinct states of mind and patterns of behavior. Timing is key when stocking up on consumables. A consumer may buy new toothbrushes every three months or replenish his supply of pet food once a month. With real-time marketing automation, you may divide your clientele into groups according to these habits, then contact just those groups with replenishment requests. Those who put things to their basket but did not complete their purchase may be easily re-engaged with the help of automation. Then, to encourage purchases, you may send them a reminder email with a trigger, excluding those who have recently checked out.

3. Improvements to Transactional Emails Transactional emails, such as order, shipment update, and confirmation emails, have almost 100% open rates, according to a recent research by Experian. Higher conversion rates were also seen when compared to traditional mass mailers. Brands may use this sort of communication to their advantage by suggesting related products in an effort to cross-sell. If you're selling morning cereals online, for instance, you might include a recommendation for a popular chocolate milk in the purchase confirmation email.

4. Boost market share in response to external factors. Customers who buy from you again are likely to know exactly what they want and spend little time browsing your other offerings. You may use this to learn more about their preferences inside your site, but it doesn't account for their actions or interests while they're visiting other websites. Customers may pick you for some types of items, such as food, while going elsewhere for other things, like baby supplies. To help you better understand your customers' preferences and habits outside of your controlled environments, AI can combine and analyze first- and third-party data. This way, the next time

this consumer visits your site, you'll be better prepared to propose baby items to her, increasing the likelihood that she'll make a purchase.

5. Boost the chances of a repeat purchase Using coupons, promo codes, and discounts effectively may save a lot of money. These discounts are a great approach to entice first-time consumers to come back and make more purchases. Customers who haven't made a purchase in a while but are receptive to incentives may be located with the use of AI, and then re-engaged with relevant offers to encourage repeat purchases. Nevertheless, if you do this too frequently, it may hurt your business financially and damage your brand's reputation. When you start sending out mass amounts of coupons, make sure you have a well-thought-out plan for promotional marketing.

6. Think about rewards schemes Loyalty programs are another method of encouraging repeat purchases. Offering rewards like discounts, early access to new items, or a points system that seems like a game is a great way to keep consumers coming back, particularly for consumables.

7. Use retargeting to boost sales. Retargeting is a method of attracting clients who visited your site but did not make a purchase or who abandoned a shopping cart. Using retargeting, you may show adverts to consumers even if they visited your site as a visitor and didn't create an account. Customers may be identified by an upload of their contact information or through the use of code snippets on your site that track their activity and interests throughout your network and beyond. To go even farther, you may use machine learning to determine which prospective consumers are more likely to buy by analyzing their purchase histories. To help you set priorities.

Data Analysis

Repurchase Intentions Of Consumers Towards White Goods

White-goods repurchase intent was analyzed in this research. Consequently, a null hypothesis is generated and evaluated using Kendall's W test to find the significant difference among the same. This test is a non-parametric approach to comparing groups of samples. When the same parameter has been assessed in a variety of ways on the same participants, the Kendall's W test may be used instead of a repeated measures analysis of variance.

Hypothesis

H0 : There is no significant association between repurchase intentions among the consumers and purchasing white goods.

H1 : There is a significant association between repurchase intentions among the consumers and purchasing white goods.

Table 1

Repurchase Intentions of Consumers towards White Goods

Intentions	Mean rank	Rank	Chi square value	'p' value
I purchased another white goods in the same company due to the prompt service	3.55	5		
I will purchase the same brand of another product whenever required	3.40	2		
I am ready to spend higher cost to another product in the same brand	3.39	1	18.008	Significant at 1% level
I am not ready to change my decision due to discount, offers and exchange options of some other brands	3.50	4		
I am ready to wait for few months to buy the same brand	3.71	6		
The brand gives status to my family	3.45	3		

The above data table reveals that prospective buyers are "willing to pay more cost to another product in the same brand." came out on top with a mean score of 3.39, and so did the statement "Buy the same brand of another product whenever needed." Placed second with an average score of 3.40. With a mean score of 3.45, "the brand offers prestige to my family" came in third. The decision to stick with it despite being offered a discount, specials, or an exchange for another brand came in at number four, with an average rating of 3.50. The willingness to wait a few months to buy the same brand was ranked as the sixth most important factor, with a mean score of 3.71, and the willingness to purchase additional white goods from the same company due to the prompt service was ranked as the fifth most important factor, with a mean score of 3.55. Repurchase intent is significantly linked to the acquisition of white goods, as shown by the chi-square test.

Every company that deals with customers and wants to sell more successfully would do well to learn about the ways in which gender affects purchasing choices and how to identify gender-specific tendencies. The present study looked at the satisfaction levels of both male and female customers, regardless of their gender. See below for a breakdown of white-goods buyers by sex and their opinions on the helpfulness of after-purchase support.

Table 2 Gender and Satisfaction of Consumers on Quality of After Sales Service towards White Goods

Gender	N	Per cent	Mean	Range		S.D.
				Min	Max	
Male	256	36.3%	38.01	19	54	10.286
Female	450	63.7%	41.37	22	60	9.575
Total	**706**	**100**				

There are 450 (or 63.70%) women and 256 (or 36.30%) men who are white-goods buyers in this survey. The preceding data also shows that male customers are generally satisfied with the level of after-sale care provided for white-goods, with a mean score of 38.01 (ranging from 19 to 54) and a standard deviation of 10.286. Consumer satisfaction with the quality of after-sale care for white goods is higher among women, with a mean score of 41.37 (range: 22-60; standard deviation: 9.575).

As a result, the current research verified that female customers reported the highest levels of satisfaction with the quality of after-sales support for white goods. The following table shows the findings of a two-way analysis of customers' satisfaction with the quality of after-sales support provided for white-goods purchases, broken down by gender.

Table 3 Gender and Satisfaction of Consumers on Quality of After Sales Service towards White Goods

Gender	Satisfaction of Consumers on Quality of After Sales Service towards White Goods			Total
	Low	Medium	High	
Male	106	67	83	256
	47.7%	34.7%	28.5%	36.3%
Female	116	126	208	450
	52.3%	65.3%	71.5%	63.7%
Total	**222**	**193**	**291**	**706**
	100.0%	**100.0%**	**100.0%**	**100.0%**

Male white goods customers were less satisfied with the quality of after sales service (28.5% vs. 71.5%, respectively) based on the results of the gender and contentment of consumers on quality of after sales service towards white goods. Similarly, among customers of white goods, those who identify as female have the highest levels of perceived satisfaction (65.3% on average) with the quality of after sales service, while those who identify as male have the lowest levels of satisfaction (34.7%). The lowest level of reported satisfaction with the quality of after

sales service towards white products was among male consumers of white goods (47.7%), while the highest level was among white goods consumers belonging to the female category (52.3%).

Chi-square analysis was used to determine the degree of relationship between sample customers' gender and their satisfaction with the quality of after-sale service for white-goods purchases. To test the following hypothesis, we constructed the table below.

Hypothesis

Ho : No association between gender and the satisfaction of consumers on quality of after sales service towards white goods.

 H1 : A close association between gender and the satisfaction of consumers on quality of after sales service towards white goods.

Table 4 Gender and Satisfaction of Consumers on Quality of After Sales Service towards White Goods (Chi-Square Test)

Variable	Pearson Chi-Square	Table Value	D.F	Result
Gender	20.413	9.210	2	Significant at 1% level

The chi-square number from the study's calculations exceeds the value from the table. So, at the 1% level of significance, the study's findings are linked. As a result, the research disproves the null hypothesis that "There is no significant difference in customers' satisfaction with the quality of after sales service for white goods based on gender.

Conclusion

Methods like the chi-square test, the percentage test, the mean, the standard deviation, the coefficient of variations, analysis of variance, structural equation modeling, and factor analysis are used to determine how satisfied customers are with the service they receive after purchasing white goods. In the middle, firms may improve the clarity and accessibility of their ideas by investing in advertising. Providing service workers with adequate training is essential for improving service quality. In order to correct both the minor and significant flaws.

Reference

1. Subhra MONDAL et.al "Study on the factors affecting customer purchase activity in retail stores by confirmatory factor analysis" Vol. 38 (N° 61) Year 2017
2. Muraly Ganesh A/L Doraisamy "The Impact Of After Sales Service Characteristics On Customer Satisfaction: A Case On A Supermarket's Electrical Appliances Department"2019
3. Bui Thanh KHOA et.al "Factors affecting Customer Relationship and the Repurchase Intention of Designed Fashion Products" http://dx.doi.org/10.15722/jds.18.2.202002.17

4. L. G. Pee, J. J. Jiang, G. Klein (2018), Signaling Effect of Website Usability on Repurchase Intention, International Journal of Information Management, 39, 228-241

5. Muhammad Ashfaq "AFTER SALES SERVICE, CUSTOMER SATISFACTION AND LOYALTY IN TELECOM SECTOR" Journal of Applied Structural Equation Modeling: 3(1),31-42, Jan 2019

6. Backhaus K, Erichson B, Plinke W (2008) Multivariate Ana-lysemethoden. Eine anwendungsorientierte Einführung. Springer, Berlin

7. Blake BF, Neuendorf KA, Valdiserri CM (2005) Tailoring new websites to appeal to those most likely to shop online. Technovation 25(10):1205–1214

8. Burdett K, Coles M (1997) Steady state price distributions in a noisy search equilibrium. J Econ Theory 72:1–32'

9. Cabral L, Hortaçsu A (2010) The dynamics of seller reputation: evidence from eBay. J Ind Econ 18(1):54–78

10. Cai H, Jin GZ, Liu C, Zhou L (2014) Seller reputation: from word-of-mouth to centralized feedback. Int J Ind Organ 34:51–65

11. Zhu, F. X., Wymer, W., & Chen, I. (2002). IT-based services and service quality in concumer banking. International Journal of Service Industry Management, 13, 69–90.

12. Ting, O. S., Ariff, M. S., Zakuan, N., Sulaiman, Z., & Saman, M. Z. (2016). E-Service quality, e-satisfaction and e-loyalty of online shoppers in business to consumer market: Evidence form Malaysia. Materials Science and Engineering, 131, 1– 10

13. Salameh, A. A., & Hassan, S. B. (2015). Measuring Service Quality in M-commerce Context: A Conceptual Model. International Journal of Scientific and Research Publications, 5, 1–9.

14. Parasuraman, A., Zeithaml, V., & Malhotra, A. (2005). E-S-QUAL a multiple-item scale for assessing electronic service quality. Journal of Service Research, 7, 213–233.

15. McKinney, V., Yoon, K., & Zahedi, F. (2002). The measurement of web-customer satisfaction: An expectation and disconfirmation approach. Information Systems Research, 13, 296–315.