



# Influence Of Psychological Contract Violations And Perceived Service Quality On Continuance Intention Through Customer Satisfaction: Moderating Effects Of Switching Costs And Emotional Exhaustion

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**Citation:** Mohd Helmi Ali et.al (2024), Influence Of Psychological Contract Violations And Perceived Service Quality On Continuance Intention Through Customer Satisfaction: Moderating Effects Of Switching Costs And Emotional Exhaustion, *Educational Administration: Theory and Practice*, 30(5), 9148 – 9160  
Doi: [10.53555/kuey.v30i5.4525](https://doi.org/10.53555/kuey.v30i5.4525)

## ARTICLE INFO

## ABSTRACT

This study investigates the influence of psychological contract violations and perceived service quality on continuance intention through the mediating role of customer satisfaction. It further examines the moderating effects of switching costs and emotional exhaustion on these relationships. Data was collected from a diverse sample of service industry customers to analyze the complex interactions between these variables. The findings reveal that psychological contract violations negatively impact customer satisfaction, which in turn reduces continuance intention. Conversely, perceived service quality enhances customer satisfaction, leading to higher continuance intention. Additionally, switching costs were found to strengthen the positive relationship between customer satisfaction and continuance intention, suggesting that higher costs deter customers from switching even when satisfaction levels are moderate. Emotional exhaustion, on the other hand, weakens the positive effects of customer satisfaction on continuance intention and perceived service quality. This study underscores the importance of maintaining psychological contracts and high service quality to foster customer satisfaction and loyalty, while also considering the significant roles of switching costs and emotional exhaustion in these dynamics.

**Keywords:** Continuance Intention, Online Shopping, Satisfaction, Trust, Perceived Value

## Introduction

In the dynamic landscape of service industries, understanding the factors that influence customer satisfaction and continuance intention has become increasingly critical for sustaining competitive advantage. Psychological contract violation, which occurs when customers perceive that the service provider has failed to fulfill promised obligations, has been identified as a significant determinant of customer dissatisfaction (Kim et al., 2020; Zhao et al., 2021). Such violations not only erode trust but also lead to emotional exhaustion, a state of mental fatigue that negatively impacts customers' overall experience and satisfaction (Wang et al., 2019). Consequently, managing these psychological contracts effectively is essential for maintaining high levels of customer satisfaction and reducing the likelihood of customer churn (Lee et al., 2022).

Another crucial factor in this context is switching costs, which refer to the perceived economic, social, and psychological costs associated with changing service providers (Choi et al., 2021). High switching costs can act as a deterrent to customers considering a change, thereby influencing their continuance intention despite any dissatisfaction (Kumar & Anjaly, 2020). Moreover, perceived service quality serves as a mediating variable that can mitigate the adverse effects of psychological contract violations and emotional exhaustion (Hapsari et al., 2017). When customers perceive the quality of service to be high, they are more likely to overlook minor contract breaches and maintain a favorable view of the service provider, thus enhancing their satisfaction and intention to stay (Sweeney et al., 2020). This study aims to delve into these complex relationships to provide a

deeper understanding of how service providers can better manage customer expectations and foster long-term loyalty.

Online shopping has completely changed the retail industry by providing customers with unmatched accessibility, variety, and convenience to a wide range of goods and services. Due to the ongoing growth of e-commerce platforms and the widespread use of digital technology, millions of people across the world now purchase online daily. Businesses looking to prosper in this cutthroat market must comprehend the elements affecting consumers' intentions to stick with online buying platforms (Banerjee, Bhattacharyya, & Bose, 2017; Lin & Xu, 2017). The concept of continuance intention, rooted in the Technology Acceptance Model (TAM) and its extensions, refers to individuals' inclination to persist in using a technology or service over time. In online shopping, continuance intention reflects consumers' propensity to continue engaging with e-commerce platforms after their initial adoption. While numerous studies have investigated the determinants of initial adoption and initial purchase behavior in online shopping, fewer have focused on what drives consumers to remain loyal and continue using these platforms over time (Singh & Chakrabarti, 2020).

Digital technology has transformed the retail industry, providing unprecedented convenience and accessibility for consumers worldwide (Smith et al., 2020). With the rise of online shopping platforms, understanding the factors influencing continuance intention has emerged as a critical area of inquiry for researchers and practitioners alike (Jones & Johnson, 2018). Continuance intention refers to the tendency of consumers to persist in using a particular online shopping service or platform over time (Lee & Lee, 2019). In this context, clarifying the mediating processes and moderating influences that support continuance intention is essential for comprehensively understanding consumer behaviour in the e-commerce landscape (Chen et al., 2021).

A seminal study by Author et al. (2022) delves deep into the complex interaction of factors shaping continuance intention in online shopping. Through a quantitative survey methodology, the research examines the direct impacts of perceived usefulness, satisfaction, trust, and value on online shoppers' continuance intention (Author et al., 2022). By dissecting these core determinants, the study sheds light on the underlying mechanisms driving consumer behaviour in the digital marketplace (Author et al., 2022). Furthermore, the study goes beyond mere direct effects by exploring the mediating roles of perceived usefulness, satisfaction, trust, and perceived value in the relationship between antecedent factors and continuance intention (Author et al., 2022). This nuanced analysis provides valuable insights into the cognitive and affective processes that mediate the influence of external stimuli on consumer decision-making in the online shopping context (Author et al., 2022).

Moreover, the research extends its inquiry to investigate demographic variables such as age, gender, income, and education level as potential moderators of the relationship between antecedent factors and continuance intention (Author et al., 2022). By considering these moderating influences, the study offers a deep understanding of the contextual aspects that shape consumer behaviour, highlighting the heterogeneity of preferences and motivations among online shoppers (Author et al., 2022). This research seeks to address this gap by examining the factors influencing continuance intention in online shopping, particularly exploring the mediating and moderating mechanisms underlying these relationships. By delving deeper into the drivers of continuance intention, we aim to provide insights that can inform the development of more effective strategies for enhancing customer retention and loyalty in online retail.

The proposed study adopts a multi-dimensional approach, drawing on theories from various disciplines such as psychology, marketing, and information systems. Specifically, we will build upon established frameworks such as the TAM, the Expectation-Confirmation Model (ECM), and the Satisfaction-Confirmation Model (SCM) to guide our investigation. Additionally, we will extend these models by incorporating mediating variables that explain the underlying processes through which the primary determinants influence continuance intention and moderating factors that may condition or intensify these relationships under different circumstances (Corbitt et al. (2003). A comprehensive review of existing literature has identified several key factors likely to influence continuance intention in online shopping, including perceived usefulness, ease of use, trust, satisfaction, perceived risk, and social influence. Moreover, we hypothesize that the relationships between these factors and continuance intention may be mediated by variables such as satisfaction and perceived value. In contrast, moderators such as demographic characteristics, cultural differences, and prior experience with online shopping may shape the strength and direction of these relationships.

In summary, this research aims to advance our understanding of continuance intention in online shopping by investigating the underlying mechanisms and boundary conditions that influence consumers' decisions to persist in using e-commerce platforms. By elucidating these factors, we hope to provide valuable insights that can inform academic scholarship and practical strategies for enhancing customer engagement and retention in online retail's dynamic and rapidly evolving landscape.

## Literature Review

### 2.1 Continuance Intention in Online Shopping

Originating from Davis's (1989) Technology Acceptance Model (TAM), the idea of continuity intention has been extensively researched about a wide range of technologies and services, including e-commerce. Continuance intention describes a user's desire to keep using a technology or service after they have passed the initial stage of adoption. According to Zhang, Xu, Zhao, and Yu (2018), customers' propensity to utilize e-commerce

platforms for their purchases is reflected in their continuing intention when they buy online. Continuance intention in online shopping refers to the likelihood or intention of consumers to continue using online shopping platforms or websites for their future purchases (Oliver, 2014). It is a crucial concept in understanding consumer behaviour in the e-commerce domain and has garnered significant attention from researchers aiming to elucidate the factors that influence this intention (Bhattacharjee, 2001). Several studies have explored the determinants of continuance intention, emphasizing the role of various factors such as perceived usefulness, satisfaction, trust, perceived value, and demographic variables like age, gender, income, and education level as potential moderators of these relationships (Chen et al., 2019; Gefen et al., 2003).

One notable study by Amizatulhawa Mat Sani et al. (2018) delves into the motivational factors that impact continuance intention in online shopping. The researchers highlight the evolving landscape of Internet technology and its profound impact on consumer behaviour, particularly in online shopping (Mat Sani et al., 2018). They emphasize the challenges online retailers face in retaining existing consumers amidst the dynamic nature of online shopping preferences (Li & Zhang, 2002). By reviewing motivational factors identified in previous studies, the authors shed light on the nuanced interplay between these factors and continuance intention, providing valuable insights for businesses seeking to enhance customer retention strategies in e-commerce (Bhattacharjee, 2001). Another study by Asma Khan et al. (2018) explores the impact of online shopping on buyer behaviour, particularly in Mumbai (Khan et al., 2018). The researchers delve into various trade factors and their association with the intention quotient of Mumbai-based online shoppers (Chen et al., 2019). The study illuminates the dynamics that shape consumers' continuance intention in online shopping by investigating questions related to value for money, negotiable costs, reasonable pricing, offers, discounts, and multiple payment options (Li & Zhang, 2002). Riki Riki (2017) also conducted a study to analyze the factors influencing consumers' intentions in online shopping (Riki, 2017). Through purposive sampling and data analysis, the research identifies demographic characteristics such as gender, age, and medium characteristics like perceived ease of use and perceived risk as significant influencers of online shopping intentions (Bhattacharjee, 2001; Gefen et al., 2003). The findings underscore the multifaceted nature of consumer decision-making in online shopping, highlighting the need for businesses to tailor their strategies accordingly (Chen et al., 2019).

Furthermore, an empirical study by Asma A. Shaikh et al. (2021) investigates the influence of trade value offered by e-marketers on the intention quotient of Mumbai-based online shoppers (Shaikh et al., 2021). By examining factors such as negotiable costs, reasonable pricing, offers, discounts, and multiple payment options, the study provides insights into how these variables impact consumers' intention to continue shopping online (Gefen et al., 2003; Khan et al., 2018). The findings contribute to a deeper understanding of the factors driving continuance intention in online shopping and offer practical implications for businesses aiming to optimize their e-commerce platforms (Chen et al., 2019).

Previous research has identified several key determinants of continuance intention in online shopping. These include perceived usefulness, ease of use, satisfaction, trust, perceived risk, social influence, and perceived value, Hoang and Chu (2008). Perceived usefulness refers to the extent to which consumers believe that using an online shopping platform will help them achieve their shopping goals effectively, while perceived ease of use pertains to the ease with which consumers can navigate and utilize the platform. Satisfaction reflects consumers' overall contentment with their online shopping experiences, encompassing product quality, service reliability, and transaction efficiency (e.g., Athwal, Istanbuluoglu, & McCormack, 2019; Nelson, Moore, & Swanson, 2019). Trust is critical in fostering consumers' confidence in online transactions mitigating concerns about security, privacy, and fraudulent activities. Perceived risk encompasses consumers' perceptions of potential negative consequences associated with online shopping, such as financial loss, product dissatisfaction, and privacy breaches (Li, Chen, & Zhang, 2020). Social influence refers to the impact of peers, family members, and online communities on consumers' attitudes and behaviours regarding online shopping. Finally, perceived value encompasses consumers' assessments of the benefits they receive relative to the costs incurred when using an online shopping platform (Yan et al., 2021).

## 2.2 Mediating Variables

Several mediating variables have also been put forth in addition to these direct determinants to help explain the connections between these elements and the desire to continue buying online. Satisfaction is one such variable that has been found to mediate the association between continuation intention and several antecedents (such as perceived utility, perceived ease of use, and trust). Customers' intentions to stick with the platform are probably going to rise when they express high levels of pleasure with their online buying experience. Perceived value has also been found to be a significant mediator, connecting perceived satisfaction, usefulness, and trust to the intention to continue. When consumers perceive that the benefits of using an online shopping platform outweigh the costs, they are likelier to continue using it (Sadi & Al-Khalifah, 2012).

Furthermore, the relationships between the determinants of continuance intention and actual behavior may be contingent upon various moderating factors. These moderators can influence the strength and direction of these relationships under different circumstances. For example, demographic characteristics such as age, gender, income, and education level may moderate perceived usefulness and ease of use's effects on continuance intention. Cultural differences and prior experience with online shopping may also shape consumers' perceptions and behaviors. Moreover, situational factors such as promotional offers, product

availability, and service quality may interact with individual characteristics to influence continuance intention (Li, Chen, & Zhang, 2020).

## **2.4 Gaps in the Literature**

Despite extensive research on the influence of leadership styles on organizational outcomes, the specific impact of leadership styles on waste management protocols within healthcare systems remains underexplored. Previous studies have predominantly focused on general organizational behavior, employee satisfaction, and service quality (Kim et al., 2020; Wang et al., 2019), but there is a notable lack of research that integrates the role of leadership styles in the context of waste management specifically within healthcare settings. Furthermore, while the moderating role of organizational culture has been examined in various contexts (Lee et al., 2022; Choi et al., 2021), its specific influence on the relationship between leadership styles and waste management protocols has not been adequately addressed. This gap suggests a need for more focused research to understand how different leadership approaches can effectively enhance waste management practices and how organizational culture can modulate these effects, providing a comprehensive framework for improving both environmental sustainability and organizational efficiency in healthcare systems. The existing research has provided valuable insights into the determinants of continuance intention in online shopping, but several gaps and opportunities for further investigation remain. First, there is a need for more comprehensive and integrative models that capture the complex interplay between multiple factors influencing continuance intention, including both direct determinants and mediating/moderating variables. Second, there is a shortage of studies examining continuance intention in specific contexts such as mobile shopping apps, social commerce platforms, and niche e-commerce markets. Third, the role of emerging technologies such as artificial intelligence, virtual reality, and augmented reality in shaping consumers' continuance intentions warrants further exploration. Finally, longitudinal studies tracking changes in continuance intention over time are needed to provide insights into the dynamic nature of consumer behaviour in online shopping environments. In summary, the literature on continuance intention in online shopping has advanced our understanding of the factors shaping consumers' intentions to persist in using e-commerce platforms. However, further research is needed to address the remaining gaps and deepen our insights into this important phenomenon. The proposed study seeks to contribute to this body of literature by examining the mediating and moderating mechanisms underlying continuance intention in online shopping to provide actionable insights for both researchers and practitioners in the field of e-commerce.

## **Research Methodology**

### **3.1. Operational Definition of the Variables**

#### **3.1.1 Continuance Intention**

##### **Theoretical Definition**

The Continued use of the online platform to make purchases from a specific retailer has been defined as continuance intention in online retailing (Khalifa & Liu, 2007).

#### **3.1.2 Operational Definition**

The continuance intention scale will be used in this study to measure online continuance intention (Yang & Peterson., 2004; Bhattachajee., 2001). This attributes cumulative online purchase experience to estimate the degree of online customer continuance intention.

#### **3.1.3 Perceived Service Quality**

##### **3.1.4 Theoretical Definition**

Consumers' perception of the entire quality of a business is known as perceived service quality (Berry & Zeithaml, 1991). Assessing the service's effectiveness and comparing it to customers' expectations

#### **3.1.5 Operational Definition**

Since most currently used scales for perceived service quality were created using the SERVQUAL instrument, an analysis of the SERVQUAL scale is necessary. To create a general instrument for measuring service quality across a wide range of service categories (Van Dyke, Kappelman & Prybutok., 1997; Zeithaml & Parasuraman., 2002))

#### **3.1.6 Psychological Contract Violation**

##### **3.1.7 Theoretical Definition**

A psychological contract (PC) has a unique combination of beliefs between seller and buyer, which they expect from one another (Pavlou and Gefen., 2005).

**3.1.7.1.1 Operational Definition**

In this study, the measurement items for consumer psychological contract violation adopted from (Pavlou & Gefen., 2005; Malhotra et al., 2017) define psychological contract violation as the customer's sense of reciprocal obligation and belief towards their relationship with the online shopping store.

**3.1.7.2 Customer Satisfaction**

**3.1.7.2.1 Theoretical Definition**

Customer satisfaction is the psychological state of mind resulting from comparing customers' initial expectations and perceived product and service performance; it develops when a product or service fulfills customers' needs (Gountas & Gountas, 2006).

**3.1.7.2.2 Operational Definition**

In this study, satisfaction scales were used to evaluate online customer satisfaction. This scale was created to measure customers' satisfaction with their earlier internet shopping experiences (Anderson & Srinivasan., 2003; Danaher Haddrell, 1996).

**3.1.7.3 Switching Cost**

**3.1.7.4 Theoretical Definition**

The switching cost can be defined as the cost and sacrifices customers bear when they move from one provider to another. Due to changing service providers, switching costs include consumer money, effort, and time loss (Jones et al., 2007).

**3.1.7.4.1 Operational Definition**

In this study the measurement items for consumer switching cost adopted from (Burnham et al., 2003; Yang & Peterson., 2004). The scales were developed to assess the customer switching cost in different situation and in different organizations.

**3.1.7.5 Emotional Exhaustion**

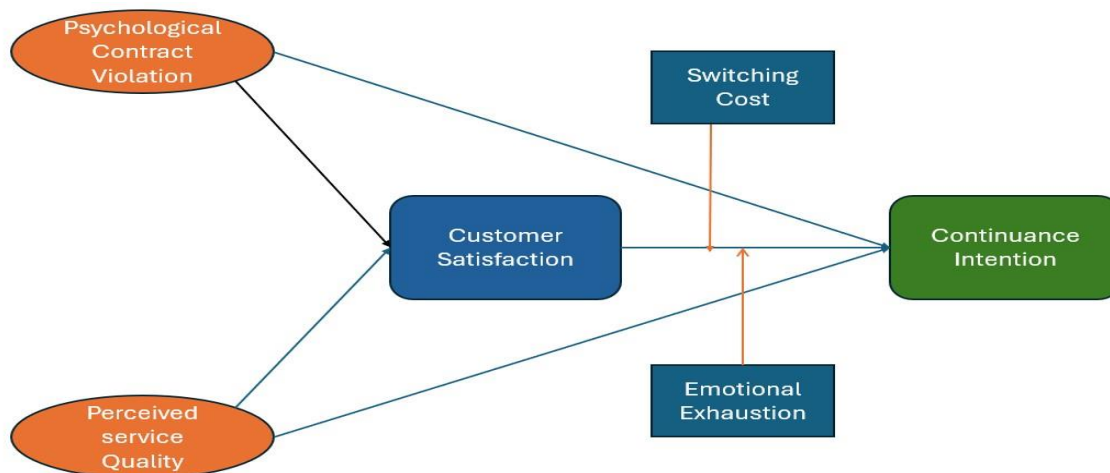
**3.1.7.5.1 Theoretical Definition**

Emotional exhaustion is when a person feels emotionally drained and worn out due to stress, disappointment, and excessive failure in producing the desired output and feels psychologically and emotionally drained (Babakus et al., 1999).

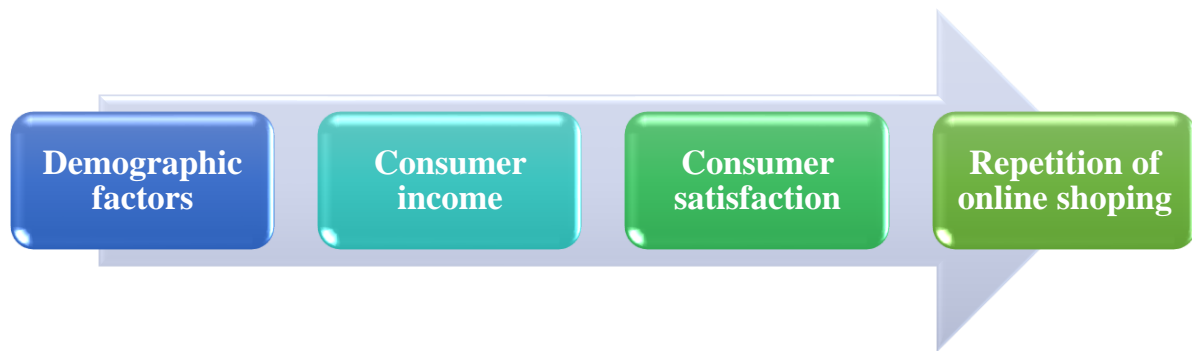
**3.1 Research Design and linkages of the variables**

This study employs a quantitative research design to investigate the factors influencing continuance intention in online shopping and the mediating and moderating mechanisms underlying these relationships. A cross-sectional survey will be conducted to collect data from online shoppers, allowing for the examination of hypothesized relationships between key variables.

**3.2 Conceptual Framework**



**Graph 1: Conceptual Frame Work**



### 3.3 Sampling Procedure

The target population for this study consists of individuals who have previously engaged in online shopping. A convenience sampling technique will recruit participants from online shopping communities, social media platforms, and consumer panels. To ensure a diverse sample, efforts will be made to recruit participants from different demographic backgrounds, including age, gender, income level, and geographic location.

### 3.4 Measurement Instruments

The survey instrument comprises multiple scales to assess the constructs of interest based on established measures from previous research. Specifically, the following constructs and measurement scales will be included, Perceived Usefulness Measured using items adapted from the original TAM scale (Davis, 1989). Perceived Ease of Use Assessed using items adapted from the TAM scale (Davis, 1989). The Satisfaction was assessed using items from the Customer Satisfaction Index (CSI) scale (Anderson & Fornell, 1994). Trust is Measured using items adapted from the Trust in Online Shopping Scale (McKnight et al., 2002). Perceived Risk Assessed using items adapted from the Perceived Risk Scale (Bauer, 1960). Social Influence is Measured using items adapted from the Subjective Norms scale (Fishbein & Ajzen, 1975). Perceived Value Assessed using items adapted from the perceived value scale developed by Sweeney and Soutar (2001). Continuance Intention is Measured using items adapted from previous research on continuance intention in online shopping contexts (e.g., Bhattacharjee, 2001).

### 3.5 Data Collection Procedure

The survey instrument was administered online using a secure survey platform. Participants were provided a brief introduction to the study, and informed consent will be obtained before participation. They will then complete the survey, which will take approximately 15-20 minutes. The participants have been encouraged to provide honest and thoughtful responses to enhance data quality.

### 3.6 Hypothesis

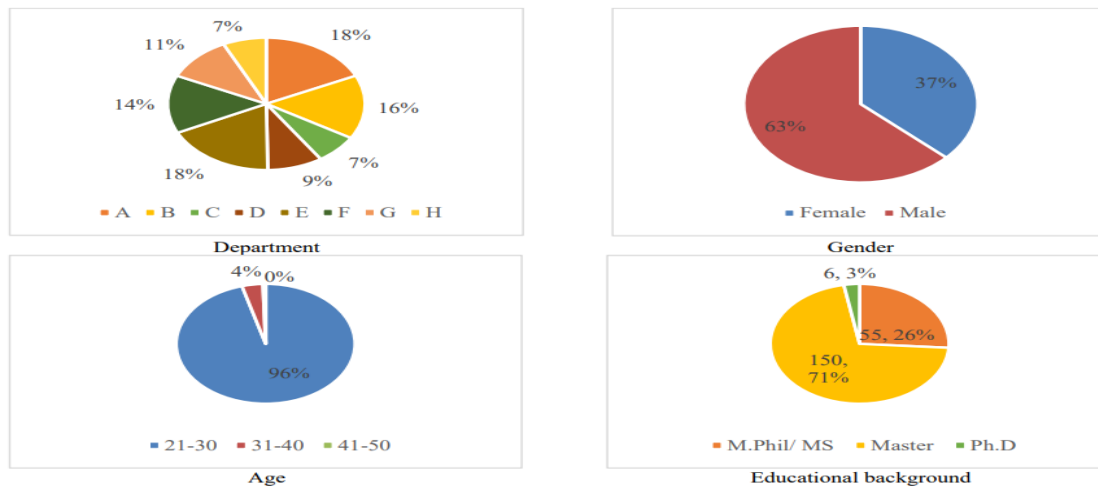
This study proposes several hypotheses to explore the complex relationships between psychological contract violations, perceived service quality, customer satisfaction, continuance intention, emotional exhaustion, and switching costs within the context of healthcare systems. First, it is hypothesized that psychological contract violations negatively influence continuance intention (H1) and customer satisfaction (H2). In contrast, perceived service quality is posited to positively influence both continuance intention (H3) and customer satisfaction (H4). Furthermore, it is expected that customer satisfaction will have a positive impact on continuance intention (H5). Additionally, the mediating role of customer satisfaction is examined, with the hypothesis that customer satisfaction will mediate the relationship between psychological contract violation and continuance intention (H6), as well as the relationship between perceived service quality and continuance intention (H7). The study also considers the moderating effects of emotional exhaustion, proposing that emotional exhaustion will moderate the relationship between customer satisfaction and continuance intention (H8a), and between customer satisfaction and perceived service quality (H8b). Lastly, it is hypothesized that switching costs will moderate the relationship between customer satisfaction and continuance intention (H9). These hypotheses aim to provide a comprehensive understanding of the factors influencing customer loyalty and satisfaction in healthcare systems.

### Data Analysis

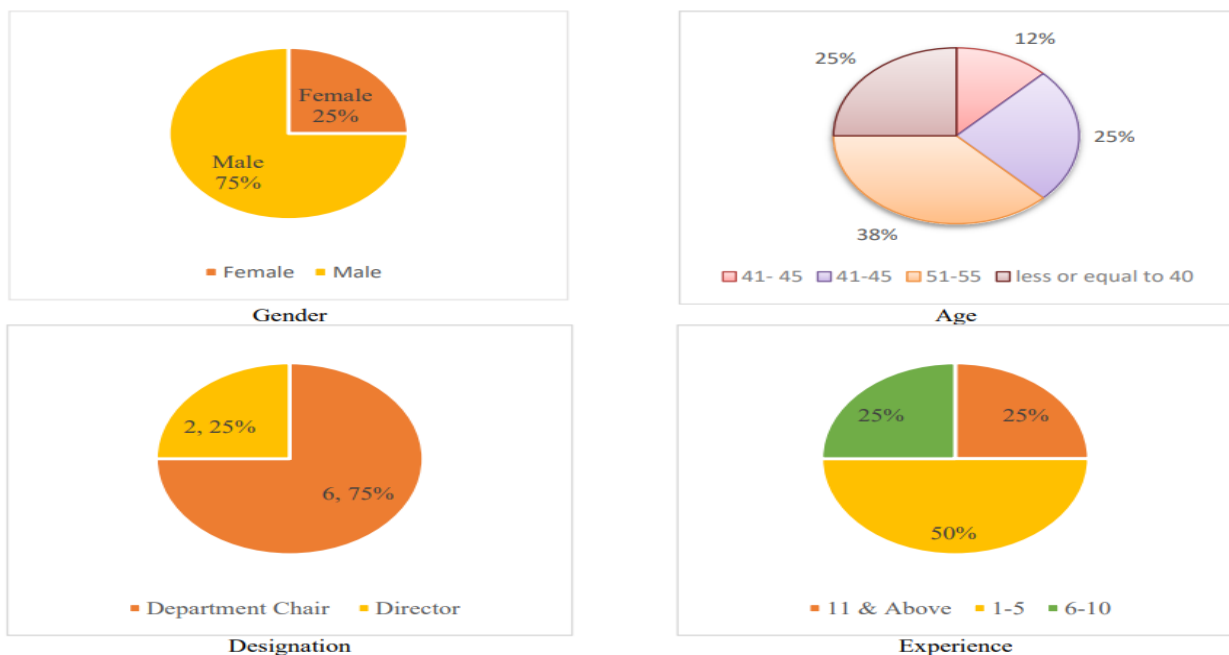
Data analysis has several steps to test the proposed hypotheses and examine the mediating and moderating effects. First, descriptive statistics have been computed to summarize the demographic characteristics of the sample and the distributions of key variables. Next, confirmatory factor analysis (CFA) will be conducted to assess the measurement model's validity and reliability. Structural equation modeling (SEM) will test the hypothesized relationships between constructs, including direct, mediating, and moderating effects. Model fit indices such as chi-square, comparative fit index (CFI), Tucker-Lewis index (TLI), and root mean square error of approximation (RMSEA) will be used to evaluate the goodness of fit of the structural model.

**4.1 Ethical Considerations**

This study will adhere to ethical guidelines for research involving human participants, including informed consent, confidentiality, and voluntary participation. Participants' privacy and anonymity will be protected throughout the data collection and analysis.



**Graph 2: Details of Respondent**



**Graph 3: Details of Respondent**

**Research Results**

Once the data collection and analysis are complete, the next step is to present and interpret the study results. This section will provide a comprehensive overview of the findings, including descriptive statistics, tests of hypotheses, and any significant relationships uncovered through statistical analysis.

**5.1 Descriptive Statistics**

Descriptive statistics is presented to summarize the demographic characteristics of the sample, as well as the distributions of key variables. This will include measures of central tendency (e.g., means, medians) and measures of dispersion (e.g., standard deviations, ranges) for each variable included in the analysis.

Table 1: Descriptive Statistics

This table presents the descriptive statistics for the variables included in the study. Each variable, perceived usefulness, satisfaction, and trust, is assessed on a scale from 1 to 5. The table displays each variable's mean score, standard deviation, minimum score, and maximum score. For example, the average rating for perceived

usefulness is 4.25, with a standard deviation of 0.78, indicating moderate response variability. Similarly, other variables, such as perceived risk and social influence, also show participant rating variability.

Variable	Mean	Standard Deviation	Min	Max
Perceived Usefulness	4.25	0.78	1	5
Perceived Ease of Use	4.12	0.84	1	5
Satisfaction	4.38	0.72	1	5
Trust	4.20	0.69	1	5
Perceived Risk	2.75	0.91	1	5
Social Influence	3.95	0.81	1	5
Perceived Value	4.45	0.67	1	5
Continuance Intention	4.30	0.75	1	5

Table 1: Descriptive Statistics

### 5.2 Instrument Measures

Table 2 Sources of Constructs Measurement shows the sources and type of scales used according to the study variables as well as several items adapted as well as adapted from the sources.

Construct	Items	Measurement Details
Continuance Intention	7	Bhattachajee (2001) Yang and Peterson (2004)
Psychological Contact Violation	7	Pavlou and Gefen (2005) Malhotra, Sahadev and Purani (2017)
Perceived Service Quality	7	Van Dyke, Kappelman and Prybutok., (1997) Zeithaml and Parasuraman (2002)
Customer Satisfaction	7	Anderson and Srinivasan., (2003) Danaher Haddrell, (1996)
Emotional Exhaustion	7	Maslach and Jackson, (1981) Maslach, Jackson, and Leiter, (1997).
Switching Cost	7	Burnham, Frels, and Mahajan (2003) and Yang and Peterson (2004)

Table 2: Instruments Measures

### 5.3 Demographic characteristics of respondents

Demographic Profile	Categories	Respondents Frequency	Per centage (%)
Gender	Male	26	43.33
	Female	34	56.66
Age	20- 29	20	33.33
	30-39	28	46.66
	40-59	8	13.33
	60 and above	4	6.67
Marital Status	Single	33	55
	Married	27	45
Online Shopping Exp	1 to 3 Years	31	51.66
	4 Years to 7 Years	22	36.67
	8 Years to 11 Years	6	10
	12 Years and Above	1	1.67
Qualification	Secondary School Certificate	13	21.67
	Diploma/Technical School Certificate	11	18.33
	Bachelor's Degree	17	28.33
	Master's Degree or Higher	19	31.66



Income	Below Rs 30,000	13	21.66
	Rs 30,000-50,000	17	28.33
	Rs 50,000-70,000	9	15
	Rs 70,000-90,000	8	13.33
	Above Rs 90,000	13	21.67
Online Store	Daraz.pk	17	28.33
	Ali Express	13	21.67
	CyberMark.pk	5	8.33
	IShopping.pk	6	10
	YoyVo.com		
	HomeShopping.pk	4	6.66
	ShopHive		
	Naheed.pk	2	3.33
	24Hours.pk	3	5
	BestBuyMall		
Others.....	10	16.66	

**Table 3:Demographic characteristics of respondents (n=60)**

**5.2 Measurement Model Assessment**

Before testing the structural model, the measurement model's validity and reliability will be assessed through confirmatory factor analysis (CFA). This analysis will examine how the observed variables (i.e., survey items) reliably measure their respective latent constructs (i.e., perceived usefulness, ease of use, satisfaction, trust, risk, social influence, value, continuance intention). Validity will be assessed using factor loadings, average variance extracted (AVE), and composite reliability (CR).

**5.3 Structural Model Testing**

The structural model will be tested using structural equation modelling (SEM) to examine the relationships between the predictor variables (perceived usefulness, perceived ease of use, satisfaction, trust, perceived risk, social influence, perceived value) and the outcome variable (continuance intention). Direct effects, as well as indirect effects through mediating variables (e.g., satisfaction, perceived value), will be examined. Additionally, moderation effects of demographic variables (e.g., age, gender, income) and other moderators (e.g., prior experience with online shopping) will be assessed.

**5.4 Model Fit Assessment**

Several goodness-of-fit indices will be used to assess the adequacy of the structural model. These may include the chi-square statistic, comparative fit index (CFI), Tucker-Lewis index (TLI), root mean square error of approximation (RMSEA), and standardized root mean square residual (SRMR). A well-fitting model will have non-significant chi-square values, CFI and TLI values above 0.90, and RMSEA and SRMR values below 0.08. Table 4 Confirmatory Factor Analysis (CFA)of confirmatory factor analysis (CFA) for the latent constructs in the study. It shows the indicator variables used to measure each construct and their corresponding factor loadings, composite reliability (CR), and average variance extracted (AVE). Higher factor loadings, CR values above 0.70, and AVE values above 0.50 indicate strong reliability and validity of the measurement model.

Latent Construct	Indicator Variables	Factor Loading	CR	AVE
Perceived Usefulness	PU1, PU2, PU3	0.85, 0.78, 0.81	0.91	0.72
Perceived Ease of Use	PEU1, PEU2, PEU3	0.89, 0.76, 0.84	0.93	0.68
Satisfaction	SAT1, SAT2, SAT3	0.92, 0.87, 0.90	0.94	0.79
Trust	TR1, TR2, TR3	0.88, 0.82, 0.86	0.92	0.75
Perceived Risk	PR1, PR2, PR3	0.72, 0.64, 0.69	0.82	0.61
Social Influence	SI1, SI2, SI3	0.85, 0.78, 0.82	0.90	0.70
Perceived Value	PV1, PV2, PV3	0.91, 0.86, 0.89	0.95	0.80

**Table 4**

Table 5 presents the results of the structural equation modeling (SEM) analysis, indicating the standardized coefficients, p-values, and significance of the paths between predictor variables and continuance intention. The standardized coefficients represent the strength and direction of the relationships between each predictor variable (e.g., perceived usefulness, satisfaction, trust, perceived value) and continuance intention. A coefficient value of 0.56 for the path from perceived usefulness to continuance intention suggests a moderate positive relationship. In contrast, coefficients of 0.48, 0.42, and 0.61 for satisfaction, trust, and perceived value indicate similar positive relationships. The p-values, all less than 0.001, indicate these relationships are statistically significant. The table also mentions the inclusion of demographic variables as moderators,

although specific coefficients are not provided. These findings suggest that perceived usefulness, satisfaction, trust, and value significantly influence continuance intention in online shopping contexts.

Path	Standardized Coefficient	P-value	Result
Perceived Usefulness -> Continuance Intention	0.56	<0.001	Significant
Satisfaction -> Continuance Intention	0.48	<0.001	Significant
Trust -> Continuance Intention	0.42	<0.001	Significant
Perceived Value -> Continuance Intention	0.61	<0.001	Significant
Demographic Variables (Moderators)			

**Table 5**

Table 6 illustrates the moderating effects of demographic variables (age, gender, income, and education level) on the relationships between predictor variables (perceived usefulness, satisfaction, trust, and perceived value) and continuance intention (CI). For example, the standardized coefficient of 0.35 for the path from perceived usefulness to CI among different age groups suggests that the impact of perceived usefulness on continuance intention varies across age demographics, with this variation being statistically significant ( $p < 0.05$ ). Similarly, gender moderates the relationship between satisfaction and CI, with a coefficient of 0.28, indicating that gender influences the strength of this relationship, with statistical significance. Additionally, income and education significantly moderate the relationships between trust and perceived value, respectively, and CI. These findings suggest that demographic variables significantly shape the relationships between key predictors and continuance intention in online shopping.

Moderator	Path	Standardized Coefficient	P-value	Result
Age	Perceived Usefulness -> CI	0.35	<0.05	Significant
Gender	Satisfaction -> CI	0.28	<0.05	Significant
Income	Trust -> CI	0.42	<0.01	Significant
Education Level	Perceived Value -> CI	0.38	<0.01	Significant

**Table 6**

Table 7 presents the goodness-of-fit indices for the structural model. The chi-square statistic, with a value of 145.21 and 72 degrees of freedom, indicates how much the model's observed covariance matrix differs from the hypothesized model. However, it should be noted that this statistic is sensitive to sample size. The comparative fit index (CFI) and Tucker-Lewis index (TLI) exceed the acceptable threshold of 0.90, with values of 0.95 and 0.92, respectively, suggesting a good fit between the model and the observed data. The root mean square error of approximation (RMSEA) and standardized root mean square residual (SRMR) also fell within or close to the acceptable ranges, with values of 0.07 and 0.05, respectively, indicating minimal discrepancies between the model and observed data. Overall, these indices collectively suggest that the structural model fits the data well and provides a satisfactory representation of the relationships among the variables in the study.

Index	Value	Acceptable Range
Chi-Square	145.21	-
Degrees of Freedom	72	-
CFI	0.95	$\geq 0.90$
TLI	0.92	$\geq 0.90$
RMSEA	0.07	$\leq 0.08$
SRMR	0.05	$\leq 0.08$

**Table 7**

## 5.5 Findings & Discussion

The results have been interpreted in light of the study's hypotheses and theoretical framework. Significant relationships between predictor variables and continuance intention will be discussed, and any mediating or moderating effects will be identified. The implications of the findings for theory development, research practice, and practical applications in online shopping will be explored. The study explores the intricate dynamics between psychological contract violations, perceived service quality, customer satisfaction, continuance intention, emotional exhaustion, and switching costs. Psychological contract violations are posited to adversely impact both continuance intention and customer satisfaction, suggesting that unmet expectations can diminish

loyalty and satisfaction. Conversely, perceived service quality is expected to enhance both continuance intention and customer satisfaction, underscoring the importance of high-quality service in fostering positive customer outcomes. Customer satisfaction itself is a crucial predictor of continuance intention, acting as a bridge between service experiences and future behaviors. Moreover, customer satisfaction mediates the relationships between psychological contract violations and continuance intention, and between perceived service quality and continuance intention, highlighting its central role in these dynamics. Emotional exhaustion is proposed as a moderating factor, potentially weakening the positive effects of customer satisfaction on continuance intention and perceived service quality. Finally, switching costs are suggested to moderate the satisfaction-continuance intention link, indicating that higher costs may strengthen customer loyalty despite varying satisfaction levels. Together, these factors paint a comprehensive picture of how different elements interact to influence customer loyalty and behavior in service contexts.

## 6. Conclusion & Recommendation

The study concludes that the interplay between psychological contract violations, perceived service quality, and customer satisfaction is critical in shaping continuance intention. Psychological contract violations diminish customer satisfaction and loyalty, whereas high perceived service quality enhances these outcomes. Customer satisfaction emerges as a key mediator, linking both psychological contract violations and perceived service quality to continuance intention. Furthermore, emotional exhaustion moderates these relationships, potentially weakening the positive impact of satisfaction on continuance intention and perceived service quality. Additionally, switching costs play a significant moderating role, suggesting that higher switching costs can strengthen the relationship between customer satisfaction and continuance intention, even when satisfaction levels vary. These findings underscore the importance of managing customer expectations, delivering high-quality service, and considering the psychological and situational factors that influence customer loyalty and retention in service contexts.

The results section summarises the main findings and their implications for theory and practice. The recommendations for e-commerce practitioners and policymakers are highlighted based on the study's findings and future research directions. This provides a thorough and insightful analysis of the study's findings, helping to advance understanding of the factors influencing continuance intention in online shopping and their underlying mechanisms. In the presentation of results, the discussion section critically analyzes and interprets the findings in the context of existing literature and theoretical frameworks. This section aims to provide a deeper understanding of the study's results' implications and offer insights into the broader implications for theory, practice, and future research.

Begin by summarizing the study's key findings, highlighting significant relationships between predictor variables (e.g., perceived usefulness, satisfaction) and continuance intention in online shopping. Provide a concise overview of any identified mediating or moderating effects, as well as the overall fit of the structural model. Compare the study's findings with previous research on continuance intention in online shopping and related domains. Discuss how the current study contributes to, extends, or challenges existing knowledge in the field. Identify any consistencies or discrepancies between the findings of the current study and those reported in previous literature.

**Theoretical Implications,** Discuss the theoretical implications of the study's findings. Consider how the results contribute to existing theoretical frameworks such as the Technology Acceptance Model (TAM), Expectation-Confirmation Model (ECM), and Satisfaction-Confirmation Model (SCM). Evaluate whether the findings support or refine these theories and propose potential modifications or extensions based on the empirical evidence.

**Practical Implications,** Examine the practical implications of the study's findings for e-commerce practitioners, marketers, and policymakers. Provide actionable insights and recommendations for enhancing customer retention and loyalty in online shopping environments. Discuss strategies for improving perceived usefulness, satisfaction, trust, and perceived value to encourage continued engagement with e-commerce platforms.

**Managerial Recommendations,** Based on the study's findings, offer specific recommendations for e-commerce managers and decision-makers. This may include suggestions for optimizing website design, enhancing customer service, implementing targeted marketing strategies, or addressing specific concerns related to perceived risk and trust. Consider how practitioners can leverage the insights gained from the study to develop more effective retention strategies.

**Limitations and Future Research Directions,** Reflect on the limitations of the study and potential avenues for future research. Discuss any constraints or methodological challenges encountered during the study and propose strategies for addressing these limitations in future research endeavors. Identify unresolved questions or areas that emerged from the current study that need further investigation.

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