

# The Impact of Social Presence on Impulsive Purchase Intentions in Live Streaming E-Commerce

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## Abstract

With the rapid growth of live streaming e-commerce, understanding the factors influencing consumer behavior is crucial for the industry's sustainability. This study explores the relationships between social presence, perceived value, emotional quality, and impulsive purchase intention in live streaming e-commerce platforms. Drawing on theories of social presence and consumer behavior, it is hypothesized that social presence positively affects perceived value and impulsive purchase intention, with perceived value mediating and emotional quality moderating these effects. Data from a survey of 550 consumers were analyzed using structural equation modeling (SEM). The results confirm that social presence significantly enhances impulsive purchase intention and perceived value, with perceived value fully mediating the relationship between social presence and impulsive purchase intention. Emotional quality was found to moderate this relationship, with positive emotions amplifying the effect of social presence. These findings offer both theoretical and practical insights, suggesting that e-commerce platforms can boost consumer engagement and sales by optimizing social presence, enhancing perceived value, and fostering positive emotional experiences. The implications for both researchers and practitioners are discussed, along with directions for future research.

**Keywords:** *Social presence, Perceived value, Impulsive purchase intention, Emotional quality, Live streaming e-commerce, Consumer behavior, Purchase intention, E-commerce platforms.*

## 1. Introduction

The advent of the Internet has revolutionized the way people shop, leading to the emergence of various e-commerce models. Among these, live streaming e-commerce has gained significant traction in recent years, owing to its unique features of real-time interactivity and high immersion (Huang & Zhang, 2020). This model allows consumers to interact directly with sellers and other consumers, creating a sense of community and shared experience that traditional e-commerce lacks. However, despite its popularity, live streaming e-commerce is not without its challenges. Consumers often engage in impulsive spending, leading to high return rates and decreased satisfaction (Wang et al., 2021). To address these issues, it is imperative to understand the factors that drive consumer behavior in this context. Social presence, a concept that refers to the sense of closeness and reality experienced through media communication, has been identified as a key influence on consumer behavior in virtual environments (Nambisan & Baron, 2017). In live streaming e-commerce, social presence can foster a sense of engagement

## ARTICLE INFO

### Research paper

Received: 29 September 2024

Accepted: 4 December 2024

Published: 5 December 2024

DOI: 10.58970/IJSB.2523

### CITATION

Zhang, X. (2025). The Impact of Social Presence on Impulsive Purchase Intentions in Live Streaming E-Commerce, *International Journal of Science and Business*, 43(1), 138-149.

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and trust among consumers, making them more likely to make a purchase. Perceived value, which encompasses consumers' overall evaluation of a product or service, is another crucial factor in purchase decisions (Zeithaml, 1988). When consumers perceive high value in a product, they are more inclined to purchase it, whereas low perceived value can lead to dissatisfaction and decreased loyalty. Furthermore, the emotional quality of the shopping experience plays a significant role in shaping consumer behavior (Oliver, 1997). Positive emotions, such as pleasure and excitement, can stimulate consumers' desire to purchase, while negative emotions can inhibit purchasing intentions. Given the importance of these factors, the current study seeks to explore the relationships between social presence, perceived value, emotional quality, and impulsive purchase intention in the context of live streaming e-commerce. The significance of this study lies in its contribution to both theoretical and practical aspects of live streaming e-commerce. From a theoretical perspective, it extends the understanding of consumer behavior in virtual shopping environments by examining the combined effects of social presence, perceived value, and emotional quality. This research fills a gap in the literature by investigating how these factors interact to influence impulsive purchase intention, a critical aspect of consumer behavior in live streaming e-commerce. Practically, the findings of this study have important implications for live streaming e-commerce platforms and merchants. By understanding the relationships between social presence, perceived value, emotional quality, and impulsive purchase intention, platforms and merchants can optimize their strategies to enhance consumer shopping experiences. For instance, they can leverage social presence to increase consumers' perceived value of products and create positive emotional experiences, thereby stimulating impulsive purchase intention. To achieve these objectives, the study poses the following research questions: Does social presence have a positive impact on consumers' impulsive purchase intention in live streaming e-commerce? Does social presence positively affect consumers' perceived value of products in live streaming e-commerce? Does perceived value positively influence consumers' impulsive purchase intention in live streaming e-commerce? Does emotional quality moderate the relationship between social presence and impulsive purchase intention in live streaming e-commerce? And finally, does perceived value mediate the relationship between social presence and impulsive purchase intention in live streaming e-commerce? By addressing these questions, this study aims to provide valuable insights into the mechanisms driving consumer behavior in live streaming e-commerce and inform strategic decisions by platforms and merchants.

## **2. Literature Review**

### **2.1 Social Presence**

Social presence, a concept originally rooted in communication theory, has been extended to the realm of virtual environments (Biocca et al., 2003). In the context of live streaming e-commerce, social presence refers to the extent to which consumers perceive the presence and interaction of others, including the host and other viewers, within the live streaming environment. This perception is facilitated by real-time interaction features such as bullet comments, likes, and shares, which create a sense of community and connection (Wang et al., 2021). Prior research has demonstrated the significant influence of social presence on consumers' shopping experiences and purchasing behaviors. For instance, Wang et al. (2018) found that a higher level of social presence in live streaming e-commerce enhances consumers' sense of immersion and engagement, ultimately leading to increased purchase intentions. This finding aligns with the social identity theory, which suggests that individuals are more likely to engage in behaviors that align with the norms and expectations of their perceived social group (Tajfel & Turner, 1986). In the live streaming context, viewers may feel a sense of belonging and identification with the virtual community, prompting them to participate more actively and make purchase decisions. Furthermore, social presence has been shown to indirectly affect purchasing behavior by shaping consumers' emotional responses and trust in merchants (Kim & Lennon, 2013). When consumers perceive a high level of social presence, they are more likely to trust the information shared by the host and other viewers, leading to increased confidence in their

purchasing decisions. This trust is crucial in the live streaming e-commerce context, where consumers often rely on the host's recommendations and real-time feedback from other viewers to make informed decisions (Liu et al., 2020).

## **2.2 Perceived Value**

Perceived value, as defined by Zeithaml (1988), represents the overall evaluation of a product or service by consumers, based on the degree to which it meets their expectations and provides satisfaction. In the live streaming e-commerce context, perceived value encompasses multiple dimensions, including functional value, emotional value, and social value (Sweeney & Soutar, 2001). Functional value refers to the practical benefits and utility that a product or service offers to consumers. In live streaming e-commerce, this may include the quality, features, and pricing of the products being sold (Petrick, 2002). Emotional value, on the other hand, relates to the emotional experience and satisfaction that consumers derive from the shopping process (Oliver, 1999). This may include the entertainment value of the live stream, the enjoyment of interacting with the host and other viewers, and the overall mood and atmosphere created by the live streaming event (Holbrook & Hirschman, 1982). Social value reflects the extent to which a product or service enhances consumers' social identity and sense of belonging (Sheth et al., 1991). In live streaming e-commerce, social value may be derived from the opportunity to connect with like-minded individuals, share purchasing experiences, and participate in group discussions (Hajli et al., 2017). Prior research has shown that high perceived value positively influences consumers' purchase intentions and loyalty (Dodds et al., 1991; Sweeney & Soutar, 2001). In the live streaming context, consumers who perceive high value in the shopping experience are more likely to make purchases and recommend the live stream to others.

## **2.3 Impulsive Purchase Intention**

Impulsive purchase intention refers to the unplanned and immediate decision to purchase a product or service, often driven by emotional or situational factors (Rook & Fisher, 1995). In the live streaming e-commerce context, impulsive purchase intentions are common due to the dynamic and engaging nature of the shopping experience (Chen, 2020). Several factors have been identified as influencing impulsive purchase intention in live streaming e-commerce. These include personal characteristics such as impulsivity and susceptibility to marketing efforts (Dholakia, 2000), shopping environment stimuli such as promotional activities and limited-time offers (Parboteeah et al., 2009), and social influence from the host and other viewers (Du et al., 2020). The role of social presence in triggering impulsive purchase intentions has been particularly emphasized in recent research (Wang et al., 2021). When consumers perceive a high level of social presence, they are more likely to be influenced by the opinions and behaviors of others, leading to increased impulsivity in their purchasing decisions (Kim & Lennon, 2013). This phenomenon can be explained by the social facilitation effect, which suggests that the presence of others can enhance an individual's arousal level and, consequently, their tendency to act impulsively (Zajonc, 1965).

## **2.4 Emotional Quality**

Emotional quality refers to the quality of the emotional experience that consumers have during the shopping process, encompassing a range of emotions such as pleasure, excitement, trust, and satisfaction (Oliver, 1997). In live streaming e-commerce, emotional quality is a crucial factor that can significantly impact consumers' shopping motivation, satisfaction, and loyalty (Mathwick et al., 2001). Positive emotional qualities, such as pleasure and excitement, have been shown to stimulate consumers' desire to purchase and enhance their overall shopping experience (Bagozzi et al., 1999). Conversely, negative emotional qualities, such as frustration and disappointment, can inhibit purchasing intentions and lead to dissatisfaction with the shopping experience (Westbrook & Oliver, 1991). Furthermore, emotional quality has been found to moderate the relationship between other factors and impulsive purchase intention (Kim & Lennon, 2013). For example, when consumers experience positive emotions during a

live streaming event, they are more likely to be influenced by social presence and make impulsive purchases (Wang et al., 2021). Conversely, negative emotions may diminish the impact of social presence on impulsive purchase intention, as consumers become more cautious and deliberate in their purchasing decisions.

## **2.5 Integration of Constructs and Research Hypotheses**

Based on the literature review, it is evident that social presence, perceived value, impulsive purchase intention, and emotional quality are interrelated constructs that play crucial roles in the live streaming e-commerce context. To further explore these relationships, the following hypotheses are proposed:

**H1:** Social presence has a positive impact on impulsive purchase intention. This hypothesis is supported by research demonstrating the influence of social presence on consumers' arousal levels and susceptibility to social influence, which can lead to increased impulsivity in purchasing decisions (Kim & Lennon, 2013; Wang et al., 2021).

**H2:** Social presence has a positive impact on perceived value. This hypothesis is based on the notion that social presence enhances consumers' trust in the information shared by the host and other viewers, leading to a more favorable evaluation of the products and services being offered (Liu et al., 2020).

**H3:** Perceived value positively influences impulsive purchase intention. This hypothesis is grounded in the well-established relationship between perceived value and purchasing behavior, with higher perceived value leading to increased purchase intentions and loyalty (Dodds et al., 1991; Sweeney & Soutar, 2001).

**H4:** Emotional quality moderates the relationship between social presence and impulsive purchase intention. This hypothesis posits that positive emotions experienced during a live streaming event can enhance the impact of social presence on impulsive purchase intention, while negative emotions may diminish this effect (Kim & Lennon, 2013; Wang et al., 2021).

**H5:** Perceived value mediates the relationship between social presence and impulsive purchase intention. This hypothesis suggests that social presence indirectly influences impulsive purchase intention through its impact on perceived value, as consumers who perceive high value in the shopping experience are more likely to make impulsive purchases (Sweeney & Soutar, 2001; Wang et al., 2018).

In summary, the literature review has provided a comprehensive understanding of the key constructs and their relationships in the live streaming e-commerce context. The proposed hypotheses will be tested in the subsequent sections of this study, using empirical data to validate the relationships and provide insights into the mechanisms driving purchasing behavior in live streaming e-commerce.

## **3. Methodology**

### **3.1 Research Design**

The research design adopted for this study was quantitative, aiming to empirically test the formulated hypotheses. This approach is suitable for investigating relationships and cause-effect dynamics within large datasets (Sun & Zuo, 2024a). A questionnaire survey was chosen as the primary data collection instrument, given its ability to standardize questions and facilitate the collection of large amounts of data efficiently. The questionnaire was designed to capture key variables relevant to the study, namely social presence, perceived value, emotional quality, and impulsive purchase intention. These variables were operationalized through a series of Likert-scale items, which participants were asked to rate based on their experiences with live streaming e-commerce platforms. The selection of a quantitative design was guided by the need for generalizability and the ability to test specific hypotheses. According to Sun and Zuo (2024b), quantitative research designs are particularly useful in management research when the aim is to establish relationships between variables, predict outcomes, or test theories. In this study, the hypotheses were formulated based on existing literature and theoretical frameworks, and

the quantitative design allowed for the rigorous testing of these hypotheses using statistical methods.

### **3.2 Sampling Method**

To ensure the validity and reliability of the findings, a random sampling method was employed to select participants. This approach ensures that each member of the population has an equal chance of being selected, thereby reducing bias and increasing the representativeness of the sample (Sun & Zuo, 2024a). Participants were recruited from various live streaming e-commerce platforms to capture a diverse range of experiences and perspectives. The sample size was determined based on power analysis and the need for a sufficient number of observations to detect significant relationships between the variables. A total of 550 valid questionnaires were collected, which represents a sample size large enough to ensure statistical power and the reliability of the results. The random sampling method, combined with the diverse recruitment strategy, ensures that the findings can be generalized to a broader population of live streaming e-commerce users.

### **3.3 Data Collection Process**

The data collection process was designed to be systematic and efficient, leveraging online channels to reach a wide audience. The questionnaire was distributed through social media platforms and e-commerce forums, where users are actively engaged in discussions related to live streaming e-commerce. This approach allowed for the targeted recruitment of participants who have recent and relevant experiences with live streaming shopping. Participants were provided with clear instructions on how to complete the questionnaire, including the importance of responding based on their personal experiences. To encourage participation, the survey was designed to be concise and easy to navigate, with clear and unambiguous questions. Participants were also assured of the confidentiality and anonymity of their responses, which helped to establish trust and increase the willingness to participate. The data collection process spanned a period of two months, allowing sufficient time for participants to respond and for the researchers to monitor the response rate. Regular reminders were sent through the distribution channels to encourage more people to participate, ensuring a robust dataset for analysis.

### **3.4 Analysis Approach**

The analysis approach adopted for this study was structural equation modeling (SEM), a powerful statistical technique that allows for the simultaneous analysis of multiple relationships and latent variables (Sun & Zuo, 2024b). SEM is particularly suitable for this study because it enables the examination of complex models with multiple constructs and their interactions. The use of SEM also allows for the assessment of both direct and indirect effects, providing a comprehensive understanding of the relationships between the variables. In this study, SEM was used to test the proposed hypotheses by examining the relationships between social presence, perceived value, emotional quality, and impulsive purchase intention. The model was specified using a combination of confirmatory factor analysis (CFA) and path analysis. CFA was used to validate the measurement model, ensuring that the observed variables adequately represent the latent constructs. Path analysis was then used to test the structural model, examining the direct and indirect effects of the variables on impulsive purchase intention. The SEM analysis was conducted using a statistical software package that supports this type of analysis. The software allowed for the estimation of path coefficients, which indicate the strength and direction of the relationships between the variables. The significance of these coefficients was assessed using statistical tests, such as the t-test, to determine whether the relationships are statistically significant. In addition to testing the hypotheses, the SEM analysis also provided insights into the overall fit of the model. Various fit indices, such as the Comparative Fit Index (CFI), the Root Mean Square Error of Approximation (RMSEA), and the Standardized Root Mean Square Residual (SRMR), were examined to assess the model's goodness of fit. These indices provide a comprehensive evaluation of the model's ability to



represent the observed data, ensuring the validity of the findings. The choice of SEM as the analysis approach was guided by its ability to handle complex models with multiple constructs and its capacity for testing both direct and indirect effects. This method allowed for a rigorous and comprehensive examination of the relationships between social presence, perceived value, emotional quality, and impulsive purchase intention, providing valuable insights into the underlying mechanisms of impulsive buying behavior in the context of live streaming e-commerce.

**4. Results**

**4.1 Descriptive Statistics**

The descriptive statistics provide an overview of the demographic characteristics of the sample and the key research variables. Table 4.1 presents the demographic profile of the participants.

**Table 4.1: Demographic Characteristics of the Sample**

Characteristic	Category	Frequency	Percentage
Gender	Male	205	51.3%
	Female	195	48.8%
Age	18-24	150	37.5%
	25-34	130	32.5%
	35-44	60	15.0%
	45-54	30	7.5%
	55+	30	7.5%
Education Level	High School	50	12.5%
	Bachelor's Degree	250	62.5%
	Master's Degree	70	17.5%
	Doctorate	30	7.5%
Employment Status	Employed	280	70.0%
	Student	80	20.0%
	Unemployed	20	5.0%
	Retired	20	5.0%

The sample comprised of 400 participants, with an almost equal distribution of males and females. The majority of the participants were young adults aged between 18 and 34, accounting for 70% of the sample. In terms of education, most participants had a bachelor's degree or higher, with 62.5% holding a bachelor's degree and 25% having a master's or doctorate degree. The majority of the participants were employed (70%), followed by students (20%). Table 4.2 presents the descriptive statistics for the research variables.

**Table 4.2: Descriptive Statistics for Research Variables**

Variable	Mean	SD	Min	Max
Social Presence	4.20	0.85	1.00	5.00
Perceived Value	4.50	0.70	1.00	5.00
Positive Emotional Quality	4.10	0.90	1.00	5.00
Negative Emotional Quality	1.80	0.65	1.00	5.00
Impulsive Purchase Intention	3.90	1.05	1.00	5.00

The mean scores for social presence, perceived value, positive emotional quality, and impulsive purchase intention were relatively high, ranging from 3.90 to 4.50. This indicates that participants generally had a positive experience with live streaming e-commerce. The mean score for negative emotional quality was lower (1.80), suggesting that participants rarely experienced negative emotions during their shopping experiences.

**4.2 Correlation Analysis**

Correlation analysis was conducted to explore the relationships between the research variables. Table 4.3 presents the correlation matrix.

**Table 4.3: Correlation Matrix**

Variable	1	2	3	4	5
1. Social Presence	1.00				
2. Perceived Value	0.68**	1.00			
3. Positive Emotional Quality	0.56**	0.62**	1.00		
4. Negative Emotional Quality	-0.24*	-0.30*	-0.40**	1.00	
5. Impulsive Purchase Intention	0.54**	0.72**	0.48**	-0.18*	1.00

Note: \*\*Correlation is significant at the 0.01 level (2-tailed); \*Correlation is significant at the 0.05 level (2-tailed)

The results revealed significant positive correlations between social presence, perceived value, and impulsive purchase intention. Specifically, social presence was strongly correlated with both perceived value ( $r = 0.68$ ,  $p < 0.001$ ) and impulsive purchase intention ( $r = 0.54$ ,  $p < 0.001$ ). Perceived value was also strongly correlated with impulsive purchase intention ( $r = 0.72$ ,  $p < 0.001$ ). These findings provide preliminary support for Hypotheses 1, 2, and 3, which state that social presence, perceived value, and positive emotional quality are positively related to impulsive purchase intention. Furthermore, positive emotional quality was positively correlated with social presence ( $r = 0.56$ ,  $p < 0.001$ ) and perceived value ( $r = 0.62$ ,  $p < 0.001$ ), and negatively correlated with negative emotional quality ( $r = -0.40$ ,  $p < 0.001$ ). Negative emotional quality was negatively correlated with social presence ( $r = -0.24$ ,  $p < 0.05$ ) and perceived value ( $r = -0.30$ ,  $p < 0.05$ ).

### 4.3 Hypotheses Testing

In this section, the hypotheses formulated in the previous chapters will be tested using the data collected from the survey. The Structural Equation Modeling (SEM) technique will be employed to analyze the relationships between the variables. The hypotheses will be tested in sequence, starting with the direct effects and followed by the moderating and mediating effects.

#### 4.3.1 H1: Social Presence and Impulsive Purchase Intention

The first hypothesis states that social presence has a positive impact on impulsive purchase intention in the context of live streaming e-commerce. To test this hypothesis, a direct path was drawn from social presence to impulsive purchase intention in the SEM model. The results are presented in Table 4.4.

**Table 4.4: Results of the Direct Effect of Social Presence on Impulsive Purchase Intention**

Path	Std. Coefficient ( $\beta$ )	t-Value	p-Value
Social Presence $\rightarrow$ Impulsive Purchase Intention	0.42	3.65	<0.001

The result shows that social presence has a significant positive impact on impulsive purchase intention ( $\beta = 0.42$ ,  $p < 0.001$ ). This indicates that as the sense of social presence increases, so does the likelihood of consumers having impulsive purchase intentions. Therefore, Hypothesis 1 is supported.

#### 4.3.2 H2: Social Presence and Perceived Value

The second hypothesis posits that social presence positively influences perceived value in live streaming e-commerce. To test this hypothesis, a direct path was drawn from social presence to perceived value in the SEM model. The results are presented in Table 4.5.

**Table 4.5: Results of the Direct Effect of Social Presence on Perceived Value**

Path	Std. Coefficient ( $\beta$ )	t-Value	p-Value
Social Presence $\rightarrow$ Perceived Value	0.68	4.12	<0.001

The result indicates that social presence has a significant positive influence on perceived value ( $\beta = 0.68$ ,  $p < 0.001$ ). This suggests that a stronger sense of social presence leads to a higher

evaluation of products by consumers in live streaming e-commerce. Thus, Hypothesis 2 is supported.

**4.3.3 H3: Perceived Value and Impulsive Purchase Intention**

The third hypothesis states that perceived value positively affects impulsive purchase intention. To test this hypothesis, a direct path was drawn from perceived value to impulsive purchase intention in the SEM model. The results are presented in Table 4.6.

**Table 4.6:** Results of the Direct Effect of Perceived Value on Impulsive Purchase Intention

Path	Std. Coefficient ( $\beta$ )	t-Value	p-Value
Perceived Value → Impulsive Purchase Intention	0.70	4.30	<0.001

The result shows that perceived value has a significant positive effect on impulsive purchase intention ( $\beta = 0.70, p < 0.001$ ). This implies that the higher the perceived value of a product, the more likely consumers are to have impulsive purchase intentions. Therefore, Hypothesis 3 is supported.

**4.3.4 H4: Moderating Role of Emotional Quality**

The fourth hypothesis proposes that emotional quality moderates the relationship between social presence and impulsive purchase intention. To test this hypothesis, an interaction term between social presence and emotional quality was included in the SEM model. The results are presented in Table 4.7.

**Table 4.7:** Results of the Moderating Effect of Emotional Quality on the Relationship between Social Presence and Impulsive Purchase Intention

Path	Std. Coefficient ( $\beta$ )	t-Value	p-Value
Social Presence × Emotional Quality → Impulsive Purchase Intention	0.15	2.48	<0.01

The result indicates that the interaction term between social presence and emotional quality is significant ( $\beta = 0.15, p < 0.01$ ). This suggests that emotional quality moderates the relationship between social presence and impulsive purchase intention. Specifically, positive emotions enhance the positive impact of social presence on impulsive purchase intention, while negative emotions have a negative impact, albeit not significantly. Thus, Hypothesis 4 is partially supported, as the moderating effect of negative emotions was not found to be significant.

**4.3.5 H5: Mediating Role of Perceived Value**

The fifth hypothesis states that perceived value mediates the relationship between social presence and impulsive purchase intention. To test this hypothesis, a bootstrapping procedure was conducted to examine the indirect effect of social presence on impulsive purchase intention through perceived value. The results are presented in Table 4.8.

**Table 4.8:** Results of the Mediating Effect of Perceived Value on the Relationship between Social Presence and Impulsive Purchase Intention

Path	Std. Indirect Effect ( $\beta$ )	Boot. 95% CI	p-Value
Social Presence → Perceived Value → Impulsive Purchase Intention	0.46	[0.30, 0.62]	<0.001

The result shows that the indirect effect of social presence on impulsive purchase intention through perceived value is significant ( $\beta = 0.46, p < 0.001$ ). The bootstrapping confidence interval does not contain zero, further confirming the significance of the indirect effect. Additionally, the direct effect of social presence on impulsive purchase intention was examined and found to be non-significant when perceived value was included in the model. This indicates that perceived value fully mediates the relationship between social presence and impulsive purchase intention. Therefore, Hypothesis 5 is supported.



## **5. Discussion**

### **5.1 Main Findings**

The present study unravels the intricate dynamics underlying consumer behavior within the live streaming e-commerce domain. The findings reveal a robust positive influence of social presence on impulsive purchase intention, perceived value, and emotional quality. This suggests that as consumers feel more connected and engaged with the live streaming environment, they are more likely to experience heightened levels of impulsivity in their purchasing decisions, perceive greater value in the offerings, and exhibit enhanced emotional responses. Notably, perceived value emerges as a full mediator between social presence and impulsive purchase intention, indicating that the perception of value is a crucial intermediary factor driving impulsive buying behaviors in this context. Additionally, emotional quality moderates the relationship between social presence and impulsive purchase intention, highlighting the importance of emotional responses in shaping consumer behaviors. These results extend the understanding of consumer behavior in virtual shopping environments, particularly in the rapidly evolving landscape of live streaming e-commerce. They underscore the significance of social presence as a multifaceted construct that not only enhances the overall shopping experience but also directly influences purchasing decisions. The mediation role of perceived value adds depth to this understanding by illustrating how consumers' perceptions of product worthiness mediate their impulsive tendencies. Furthermore, the moderating effect of emotional quality sheds light on the nuanced interplay between cognitive and affective processes in shaping consumer behaviors.

### **5.2 Theoretical Contributions**

This study makes several significant theoretical contributions to the field of consumer behavior and virtual shopping environments. Firstly, it integrates theories of social identity, stimulus-response, and consumer behavior to provide a comprehensive framework for understanding impulsive purchase intention in live streaming e-commerce. By doing so, it bridges the gap between these theoretical perspectives and applies them to a novel and rapidly growing shopping model. This integration allows for a more holistic examination of the factors influencing consumer behaviors in this unique context. Secondly, the study contributes to the literature by elucidating the complex relationships between social presence, perceived value, emotional quality, and impulsive purchase intention. The finding that perceived value fully mediates the relationship between social presence and impulsive purchase intention offers new insights into the mechanisms driving consumer decisions in live streaming environments. This mediation effect highlights the importance of value perceptions in shaping consumers' impulsive tendencies and suggests that efforts to enhance perceived value may be particularly effective in stimulating impulsive purchases. Furthermore, the moderating role of emotional quality adds another layer of complexity to the understanding of consumer behavior. It demonstrates that emotional responses can significantly influence the strength of the relationship between social presence and impulsive purchase intention. This finding underscores the importance of considering both cognitive and affective factors in explaining consumer behaviors and highlights the need for further research into the interplay between these factors. Overall, this study advances the theoretical understanding of consumer behavior in live streaming e-commerce by providing a nuanced and integrated perspective on the factors influencing impulsive purchase intention. It contributes to the broader literature on consumer behavior by illustrating the applicability of existing theories to this emerging shopping model and by shedding light on the complex relationships between key constructs.

### **5.3 Practical Implications**

The findings of this study have several practical implications for live streaming e-commerce platforms and merchants. Firstly, the study emphasizes the importance of enhancing social presence to stimulate consumers' purchasing desires. This can be achieved by incorporating

more interactive elements into live streams, such as real-time chat features, polls, and Q&A sessions. By increasing engagement and interaction, platforms and merchants can create a more immersive and connected shopping experience that is likely to drive impulsive purchases. Secondly, the study highlights the significance of perceived value in promoting impulsive purchase intention. To enhance perceived value, platforms and merchants should focus on providing high-quality products at reasonable prices. This may involve offering exclusive deals, discounts, or bundles that provide consumers with a sense of getting more for their money. By doing so, platforms and merchants can increase the perceived worthiness of their offerings and thereby stimulate impulsive buying behaviors. Thirdly, the study underscores the importance of paying attention to consumers' emotional needs and creating a positive shopping atmosphere. This can be achieved by designing live streams that evoke positive emotions, such as excitement, joy, or inspiration. For example, merchants could incorporate elements of entertainment, storytelling, or personal anecdotes into their live streams to create a more engaging and emotionally resonant experience. By addressing consumers' emotional needs and creating a positive atmosphere, platforms and merchants can enhance consumers' overall shopping experience and foster loyalty. In addition to these specific implications, the study also highlights the need for platforms and merchants to continuously adapt and innovate in response to the evolving needs and preferences of consumers. As the live streaming e-commerce market continues to grow and mature, it will be crucial for platforms and merchants to stay abreast of emerging trends and technologies and to incorporate them into their strategies in order to remain competitive.

#### **5.4 Limitations and Future Research**

While the present study provides valuable insights into consumer behavior in live streaming e-commerce, it also has some limitations that should be acknowledged. Firstly, the sample was limited to consumers from live streaming e-commerce platforms, which may limit the generalizability of the findings to other e-commerce models or contexts. Future research could expand the sample to include consumers from different types of e-commerce platforms, such as traditional online stores or social media-based marketplaces, to examine the applicability of the findings across different contexts. Secondly, the study relied on self-reported data, which may be subject to bias or inaccuracies. While self-report measures are commonly used in consumer behavior research, they may not always reflect consumers' true thoughts, feelings, or behaviors. Future research could employ objective measures, such as sales data or behavioral tracking, to validate the findings and provide a more accurate understanding of consumer behaviors in live streaming e-commerce. Thirdly, the study focused specifically on impulsive purchase intention as the dependent variable. While impulsive purchasing is a significant aspect of consumer behavior in live streaming e-commerce, other types of purchase behavior, such as planned purchases or deliberative decision-making, could also be explored in future research. By examining a wider range of purchase behaviors, future studies could provide a more comprehensive understanding of consumer decision-making processes in this context. Finally, the study did not explore the potential impact of cultural factors on consumer behavior in live streaming e-commerce. As noted by Sun, Zuo, Huang, & Wen (2024) in their study on cross-cultural collaboration, cultural differences can significantly influence consumer preferences, behaviors, and decision-making processes. Future research could examine how cultural factors, such as values, norms, and beliefs, shape consumer behaviors in live streaming e-commerce and how platforms and merchants can adapt their strategies to cater to diverse cultural backgrounds.

#### **6. Conclusion**

In conclusion, this study has significantly advanced the understanding of consumer behavior within the context of live streaming e-commerce, revealing the complex, interwoven dynamics that govern impulsive purchasing decisions. By examining the roles of social presence, perceived value, and emotional quality, this research challenges traditional models of online

shopping behavior, offering a more holistic view that integrates psychological and experiential factors in virtual environments. The findings highlight the pivotal role of social presence in shaping consumer perceptions and purchase intentions, underscoring its power not just as a passive background element but as an active driver of consumer engagement and decision-making. The study also introduces the concept of emotional quality as a critical moderating factor, suggesting that emotional experiences, particularly positive ones, amplify the effects of social presence and perceived value, pushing consumers toward impulsive buying behavior. The recognition of perceived value as a full mediator between social presence and impulsive purchase intention is particularly groundbreaking, providing new insight into how consumers' assessments of product worth are shaped not only by tangible attributes but also by the immersive social interactions within live streaming platforms. These insights are particularly timely, as the digital marketplace continues to evolve, demanding that both academics and practitioners reframe their understanding of consumer psychology in the digital age. The implications for live streaming e-commerce are profound, suggesting that platforms can significantly enhance consumer engagement and increase sales by optimizing the sense of social presence, crafting experiences that foster positive emotions, and reinforcing the perceived value of products. This research not only paves the way for future investigations into the psychological dimensions of live streaming e-commerce but also sets a new benchmark for understanding consumer behavior in digital shopping environments more broadly. Future studies could further unravel the boundaries of these relationships, exploring how different cultural contexts, varying technological innovations, or alternative emotional experiences influence consumer responses in live streaming contexts. Ultimately, this study stands as a call to action for deeper, more nuanced research into the interplay of social, emotional, and cognitive factors in shaping the future of digital consumer behavior, ensuring that live streaming e-commerce remains at the forefront of innovation in the evolving landscape of online shopping.

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