Relationship of Advertising Appeals and Impulsive Purchasing Inclination: Role of Self-Control and Marital Status as Moderators

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Abstract

The purpose of this research is to identify the relationship between advertising appeals and impulse purchase inclination in the presence of self-control and marital status as moderators. A pre-designed questionnaire was used to collect data. PLS-SEM (Partial Least Squares Structural Equation Modelling) is used to determine the nature of the link between the mentioned variables, as well as the function of self-control as a moderator. A multi-group analysis is conducted to see how the model varies from gender variation. Furthermore, Andrew F. Hayes Process Macro is also utilized as a data analysis approach. According to the findings of Andrew F. Hayes Process Macro, self-control has a considerable negative influence on impulse purchase inclination. According to PLS-SEM findings, entertaining advertising appeal has a considerable positive influence on the cognitive element of impulsive purchasing tendency, but informative advertising appeal has a significant positive impact on both the cognitive and affective aspects of impulse buying tendency. Surprisingly, irritating commercial appeal has a large favorable influence on the cognitive aspect of impulse purchasing inclination. However, the study discovered a minor complimentary function of self-control in the relationship between advertising appeals and impulse purchase inclination. The results of a multi-group investigation show that the influence of advertising value ad appeal on the emotive aspect of impulse purchase inclination vary greatly depending on gender. The study is significant for marketers because it shows that self-control acts as a barrier in the route of impulsive buying.

Keywords: Advertising appeals, impulse buying inclination, self-control, marital status.

Introduction

Background of the Study

Advertising has a significant impact on customers (Qader et al., 2022). The effectiveness of advertising has been the subject of heated debate for years. As advertisers struggle to increase the effectiveness of communication, advertising appeal's type to target each group must be carefully considered (Akbari, 2015). One of the most important aspects of advertising is its appeal, which is presented in such a way as to impact people's perceptions (Raza et al., 2019). The message strategy, often known as the appeal, refers to the general style taken by the advertisement (Akbari, 2015). Advertising appeals signify the characteristics of a product, its benefits, and the brand image that marketers want to portray (Kim et al., 2020). Impulse buying has been discussed by researchers in modern/ organized retail settings as well as in the online environment (Badgaiyan et al., 2016). Advertising consumes an important share of the promotion budget. The use of internet-based media channels for advertisement is rising (Sama, 2019).

Statement of the Problem

An estimated \$4 billion is spent impulsively each year, and around 62 percent of market revenues in superstores and around 80 percent of revenues in luxurious products are attributable to impulse purchasing (Badgaiyan et al., 2016). These figures indicate the significance of impulse purchases. Self-control is also discussed with impulse buying in the research world (Sun et al., 2023). It is claimed that impulse purchasing is a consequence of a deficiency of self-control (Barber et al., 2009). Besides, advertising has a significant impact on customers (Tallón-Ballesteros, 2023). Advertising consumes an important share of the promotion budget (Sama, 2019). As advertisers struggle to increase the effectiveness of communication, advertising appeal's type to target each group must be carefully considered (Akbari, 2015). One of the important aspects of advertising is its appeal (Pittman et al., 2022), which is presented in such a way as to impact people's perceptions (Raza et al., 2019). Impulse buying has been discussed in the studies with several variables (Chauhan et al., 2023; Redine et al., 2023; X. Zhang et al., 2023). The research adds to the present stock of knowledge by studying the influence of advertising appeals on impulse purchase inclination in the presence of self-control and marital status as moderators.

Gap Analysis

According to (Husnain & Akhtar, 2016), marketers may reinforce and sustain impulse purchase behaviour through clever branding, attractive packaging, and labelling. The study's first restriction is that the study's respondents were all university students from the same

location, thus they do not reflect a varied community as a whole (Zaman, Khan, Shah, & Anwar, 2023). More geographically diversified samples, comparisons between nations, and an even more diverse global shopper representation are required. Secondly, the findings are limited to the FMCG shopping context (Zaman, Khan, Zaman, & Khan, 2023).

The existence of an entertaining, pleasant, and appealing in-store shopping environment, according to the findings of (Ali & Hasnu, 2013), enhances the chance of impulsive purchase among customers. This study, however, has an extremely small sample size and is geographically restricted to Abbottabad and Islamabad. A broader sample of data from other cities might produce different conclusions. A sample of roughly 350 people from Karachi was recruited for our study.

Lim & Kim, (2021) discovered that consumers who are not psychologically stable are more likely to exhibit traits associated with purchasing impulsivity, emotional attention to the visual appeal of shopping websites, and the urge to make impulsive purchases in the context of online shopping.

(Deshpande et al., 2022) shows that humour (scarcity) enhances impulse purchase of vice (virtue) items (sense of uniqueness) through anticipation of enjoyment. This research has limits despite its great contributions. First, in line with other studies, student samples from Indian institutions were utilised in this investigation (Zafar, ul Haque, & Khan, 2023). Advertising consumes an important share of the promotional budget (Sama, 2019) and has a significant impact on consumer behavior (Deshpande et al., 2023; Y. Zhang & Yang, 2023). Advertisers struggle to increase communication effectiveness and appropriate advertising appeal plays an important role in this regard (Akbari, 2015). The concept of impulsive purchasing has been discussed in the studies with several variables (Bashar et al., 2022). The research contributes to the present knowledge by studying the impact of advertising appeals on impulse purchasing propensity in the presence of self-control and marital status as moderators (Si, Jalees, Zaman, Kazmi, & Khan, 2023).

Objectives of the Study

The major objective of the research is to identify the impact of advertisement appeals on impulse buying inclination in the presence of self-control as a moderator. The research is also intended to examine how these relations change with varying marital status.

Significance of the Study

An estimated \$4 billion is spent impulsively each year, with impulsive buying accounting for around 62 percent of market revenues in superstores and almost 80 percent of revenues in luxurious items. (Badgaiyan et al., 2016). The study is useful to advertisers because it

indicates the effectiveness of different advertising appeals in encouraging impulse purchases which have been proved as a phenomenon generating massive revenues and profits for various industries and businesses.

Literature Review

Businesses expend a noteworthy share of their budget on creating and running ads to communicate info about their organization and goods (Luzon et al., 2022). Businesses expect that customers would purchase their goods as an outcome of advertising that carries messages regarding a certain product and its items (Yang et al., 2022). Advertising has a significant impact on customers and frequently increases consumer demand (K, 2023). According to Kim et al. (2020), both rational and emotional appeals have noteworthy effects on the value satisfaction-trust-WOM setting, according to research. It is revealed by the studies discussed that both emotional and rational appeals are important for the factors including advertising attitudes, purchase intention, customer satisfaction etc. (Kim et al., 2020). Consumers who collaborate on the attainment and distribution of resources for consumption in return for some kind of return are known as collaborative consumers. It has become the primary sustainable consumption form in the sharing economy (Rashid, Khan, Rasheed, & Amirah, 2023). According to researchers, the tourism industry has given sustainable consumption a lot of consideration. Though, from the standpoint of theoretical science, the mental process of collaborative consumption as the key method of sustainable consumption has not been fully understood (H. Zhang et al., 2020). The researchers investigate the influence of advertisement appeals on customers' inclination to engage in collaborative consumption (Raees, Khan, & Zaheer, 2023). Via two mental studies, it is assumed that, in comparison to the rationality-based appeal, the emotions-based appeal will positively impact customers' inclination to participate in collaborative consumption, and mental ownership will mediate this association (Khan, Ayub, Khan, & Khan, 2023). The result is inconsistent with the research conducted by Kim et al. (2020) where both types of appeals are found important for several factors. An estimated \$4 billion is spent impulsively each year, and around 62 percent of market revenues in superstores and around 80 percent of revenues in luxurious products are attributable to impulsive buying (Badgaiyan et al., 2016). The phenomenon of impulse purchasing is exciting since it is impacted not just by internal psychological variables nonetheless also by outside, market-related inducements (Iyer et al.,

people who have recently begun to make money in urban areas (Jamil, Khan, & Seraj, 2023).

2020). Impulse purchase behavior is a characteristic that most commonly affects groups of

It is evident from the literature that different advertising appeals are effective for different products, however, their collective importance in enhancing sales cannot be denied and ignored (Jamil, Khan, Khan, & Yousuf, 2023). This is the reason companies expend a significant share of their budget on creating and running promotional commercials to communicate information about their organization and products. There is evidence in the impulsive buying literature and business data that impulsive purchasing is responsible for more than half of all buying indicating the worth of impulse purchases. Moreover, impulse purchasing has also been outlined as a consequence of a lack of self-control (Hyder, Khan, & Rasheed, 2023).

Theoretical Framework Advertising Value

Advertising value is an individual evaluation of advertising's comparative value or usefulness to customers. An advertisement that provides useful information is considered favorable (Redondo & Aznar, 2018).

Informativeness

Informativeness refers to an advertiser's capacity to give up-to-date, conveniently available, precise, and promptly available information (Fung & Lee, 1999). Ads that are informative lead to a more optimistic attitude in the consumer towards them, that helps to promote brand loyalty (Wang et al., 2009).

Deceptiveness

From a consumer's perspective, it's important to be aware of advertisement deceptiveness, which happens when customers come to believe apparently false information as a result of exposure to commercial (Olson & Dover, 1978).

Entertainment

When viewers who watch an ad experience a sense of pleasure, the effect is called entertainment (Ünal et al., 2011). Ads that are not entertaining are generally skipped by viewers, while ads that are entertaining are typically watched (Jeon et al., 2019). Entertainment is playing a role in the increased viewing of in-stream ads (Joa et al., 2018).

Irritation

An advertisement that is irritating to viewers may cause them to feel irritated (Ducoffe, 1995), distressing (Chungviwatanant et al., 2016), or diverting (Chen & Wells, 1999). Irritation is the negative attitude of consumers toward useless massages (Aslam et al., 2016).

Cognitive and Affective Factors of Impulse Buying

The tendency to impulsively buy is a measure of how often an individual makes unintended and instant purchases (Rook & Fisher, 1995). It is believed that impulse purchasing is a function of affect (feelings) and cognition (thinking) (Youn, 2000).

Self-Control (Moderator)

Self-control is the ability of beings to resist urges from within and from outside of themselves that might get in the way of their long-term objectives (Tangney et al., 2018). The empirical data reveals that those with good self-control perform better in a variety of aspects of life (Tangney et al., 2018).

Hypothesis Development

Advertising value influences viewer attitudes positively which has an immediate effect on customer behavior (Tsang et al., 2004). When customers feel good, they shift their attention away from particular objectives and towards vague ones (Hicks & King, 2007). Abstract goals lead to impulse purchases (Bell et al., 2011). Furthermore, impulse purchasing is a function of cognition and affect (Youn, 2000). Hence:

Hypothesis-1: Advertising value has a significant positive influence on the affective factor of impulse purchasing tendency.

Hypothesis-2: Advertising value has a significant positive influence on the cognitive factor of impulse purchasing tendency.

The negative attitude stem mostly from the belief that advertising is dishonest and annoying (Chan & McNeal, 2003). A negative attitude can give rise to impulse buys. Hence:

Hypothesis-3: Deceptiveness has a significant positive influence on the affective factor of impulse purchasing tendency.

Hypothesis-4: Deceptiveness has a significant positive influence on the cognitive factor of impulse purchasing tendency.

Consumers will develop positive attitudes toward advertisements if they see them as entertaining (Aslam et al., 2016). When customers feel good, they shift their attention away from particular objectives and towards vague ones (Hicks & King, 2007). Abstract goals lead to impulse purchases (Bell et al., 2011). Hence:

Hypothesis-5: Entertainment has a significant positive influence on the affective factor of impulse purchasing tendency.

Hypothesis-6: Entertainment has a significant positive influence on the cognitive factor of impulse purchasing tendency.

Customers develop a favorable attitude towards advertisements when they believe they are informative (Tsang et al., 2004). When customers feel good, they shift their attention away from particular objectives and towards vague ones (Hicks & King, 2007). Hence:

Hypothesis-7: Informativeness has a significant positive influence on the affective factor of impulse purchasing tendency.

Hypothesis-8: Informativeness has a significant positive influence on the cognitive factor of impulse purchasing tendency.

Irritation can be defined as customers' negative attitudes regarding useless messages (Aslam et al., 2016). Impulsive buying may result from a negative attitude. Hence:

Hypothesis-9: Irritation has a significant positive influence on the affective factor of impulse purchasing tendency.

Hypothesis-10: Irritation has a significant positive influence on the affective factor of impulse purchasing tendency.

Advertising value influences viewer attitudes positively which has an immediate effect on customer behavior (Tsang et al., 2004). When customers feel good, they shift their attention away from particular objectives and towards vague ones (Hicks & King, 2007). Abstract goals lead to impulse purchases (Bell et al., 2011). Research reveals that self-control can reduce impulse buying tendencies (Sultan et al., 2012). Hence:

Hypothesis-11: Self-Control significantly moderates the relation of advertising value and the affective factor of impulse purchasing tendency.

Hypothesis-12: Self-Control significantly moderates the relation of advertising value and cognitive factor of affective factor of impulse purchasing tendency.

The negative attitude stem mostly from the belief that advertising is dishonest and annoying (Chan & McNeal, 2003). A negative attitude can give rise to impulse buys. Also, research reveals that self-control can reduce impulse buying tendencies (Sultan et al., 2012). Hence:

Hypothesis-13: *Self-Control significantly moderates the relation of deceptiveness and affective factor of impulse buying tendency.*

Hypothesis-14: Self-Control significantly moderates the relation of deceptiveness and cognitive factor of impulse buying tendency.

Consumers will develop positive attitudes toward advertisements if they see them as entertaining (Aslam et al., 2016). When customers feel good, they shift their attention away from particular objectives and towards vague ones (Hicks & King, 2007). Research reveals that self-control can reduce impulse buying tendencies (Sultan et al., 2012). Hence:

Hypothesis-15: *Self-Control significantly moderates the relation of entertainment and the affective factor of impulse purchasing inclination.*

Hypothesis-16: *Self-Control significantly moderates the relationship between entertainment and cognitive factor of impulse buying tendency.*

Customers develop a favorable attitude towards advertisements when they believe they are informative (Tsang et al., 2004). When customers feel good, they shift their attention away from particular objectives and towards vague ones (Hicks & King, 2007). Research reveals that self-control can reduce impulse buying tendencies (Sultan et al., 2012). Hence:

Hypothesis-17: *Self-Control significantly moderates the relation of informativeness and the affective factor of impulse purchasing inclination.*

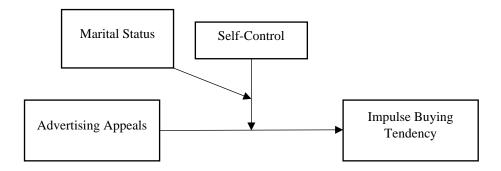
Hypothesis-18: Self-Control significantly moderates the relationship between informativeness and cognitive factor of impulse buying tendency.

Irritation can be defined as customers' negative attitudes regarding useless messages (Aslam et al., 2016). Impulsive buying may result from a negative attitude. Also, research reveals that self-control can reduce impulse buying tendencies (Sultan et al., 2012). Hence:

Hypothesis-19: *Self-Control significantly moderates the relation of irritation and the affective factor of impulse purchase inclination.*

Hypothesis-20: *Self-Control significantly moderates the relationship between irritation and cognitive factor of impulse buying tendency.*

Figure 1 Conceptual Model of the Study



Research Methodology

The research approach is qualitative, while the data is analyzed using quantitative methods. Advertising appeals and impulse buying tendency are taken as independent and dependent variables respectively (Arif, Shah, & Khan, 2023). Furthermore, self-control and marital status are taken as moderators. Convenience sampling is used to collect data from approximately 350 respondents via predesigned questionnaire containing closed-ended

questions, the response rate is above 95% for almost all the questions. To measure the impulse buying tendency, cognitive and affective factors of the variable are used with each factor having 4 items (Badgaiyan et al., 2016). The scale covering 36 items is used to measure the self-control of the respondents (Tangney et al., 2018). Moreover, advertising appeals include advertising value, informativeness, deceptiveness, entertainment, and irritation, each appeal comprises 3 items (Ducoffe, 1995). These scales have been used by various similar research and are considered as valid and reliable.

The major reason behind the usage of convenience sampling is that in today's era of everincreasing advertising and promotion by the brands, everyone is being targeted by the marketers by one way or another. Moreover, impulse purchasing is also the phenomenon quite common among all the masses.

Google forms, containing the questionnaire, were sent to the respondents approached through various social media platforms. To ascertain the nature of the association between advertising appeals and the propensity for impulse purchase as well as the function of self-control as a moderator of the relationship, partial least square structural equation modelling (PLS-SEM) is utilized. To determine how the model varies from gender variation, a multi-group study is conducted. Furthermore, self-control and marital status are regarded as the primary and secondary moderators of the connection, respectively, in the Andrew F. Hayes Process Macro data analysis approach. Besides, Smart PLS, SPSS, and MS-Excel software are used for data management and analysis.

Data Analysis and Results

Demographic Analysis

Table 1. Demographics of the Respondents (n = 346)

Demographics	Frequency	Percentage
Gender		
Male	144	41.6
Female	202	58.4
Age		
18-24	207	59.8
25-34	106	30.6
35-44	25	7.2
45-54	5	1.4
55-64	3	.9
Marital Status		
Single	264	76.3
Married	78	22.5

Divorced	3	.9	
Separated	1	.3	
Education			
Intermediate	48	13.9	
Bachelors	168	48.6	
Masters	110	31.8	
Master's above	20	5.8	
Family Size			
1-3	40	11.6	
4-6	201	58.1	
7-9	75	21.7	
10 and above	30	8.7	

Source: Authors' Computation

Table 1 depicts the demographic profile of the respondents. In total, approximately 42% are male and 58% are female. The largest chunk of the respondents is from the age bracket of 18-24 (around 60%) while about 30% are from the next age bracket (25-34), high contribution is seen from the respondents having bachelor's level education (48.6%) followed by the respondents having the education of masters level (31.8%). Most of the respondents are single (75%), while above 20% are married. Moreover, the majority of the respondents (around 60%) have a family size of 4-6 members following the family size bracket of 7-9 members (approximately 20%).

Measurement Model Analysis

Table 2.
Measurement Model Assessment

	Items	Loadings ^a	AVE b	CR c	Rho A ^d
	AA1	0.871	0.663	0.854	0.798
Advertising Value	AA2	0.829			
	AA3	0.736			
	AA4	0.758	0.621	0.831	0.706
Informativeness	AA5	0.812			
	AA6	0.793			
Deceptiveness	AA7	Single Item	Single Item	Single Item	Single Item
	AA10	0.851	0.745	0.897	0.829
Entertainment	AA11	0.906			
	AA12	0.830			
Irritation	AA15	Single Item	Single Item	Single Item	Single Item
Comit's Footon	IBT2	0.921	0.823	0.903	0.797
Cognitive Factor	IBT3	0.893			
	IBT5	0.838	0.675	0.861	0.764
Affective Factor	IBT6	0.825			
	IBT8	0.800			
	SC6	0.741	0.607	0.822	0.677
Self-Control	SC31	0.814			
	SC32	0.781			

Source: Authors' Computation

Items removed include AA8, AA9, AA13, AA14, SC1, SC2, SC3, SC4, SC5, SC7, SC8, SC9, SC10, SC11, SC12, SC13, SC14, SC15, SC16, SC17, SC18, SC19, SC20, SC21, SC22, SC23, SC24, SC25, SC26, SC27, SC28, SC29, SC30, SC33, SC34, SC35 as indicator items loadings were lesser than 0.5. All item loadings > 0.5 indicates indicator reliability (Hulland, 1999). All Average Variance Extracted (AVE) > 0.5 indicates convergent validity (Bagozzi & Yi, 1988). All Composite Reliability (CR) > 0.7 indicates internal consistency (Gefen et al., n.d.). Furthermore, all Rho A > 0.7 indicates indicator reliability (Henseler et al., 2015) (Table 2). Indicator reliability signifies how much of the variation in an item is explained by the construct. The degree to which the construct converges to explain the variance of its indicators is known as convergent validity. The degree to which indicators measuring the same construct are related to one another is known as internal consistency reliability.

Table 3
Cross Loadings criterion result

	AV	AF	CF	Dec	Ent	Inf	Irr	SC
AA1	0.871	0.042	0.176	0.086	0.228	0.314	0.044	0.016
AA2	0.829	0.092	0.129	0.159	0.157	0.274	0.025	0.102
AA3	0.736	0.036	0.090	0.051	0.202	0.296	-0.003	0.038
IBT5	0.016	0.838	-0.269	0.068	0.061	0.082	0.045	0.320
IBT6	0.085	0.825	-0.196	0.091	0.133	0.184	0.015	0.322
IBT8	0.068	0.800	-0.048	0.134	0.130	0.177	0.146	0.363
IBT2	0.197	-0.165	0.921	0.059	0.167	0.219	0.221	0.062
IBT3	0.104	-0.194	0.893	0.091	0.198	0.185	0.168	-0.022
AA7	0.127	0.123	0.081	1.000	0.113	0.104	0.189	0.089
AA10	0.176	0.114	0.166	0.097	0.851	0.123	0.022	0.057
AA11	0.223	0.140	0.162	0.096	0.906	0.231	-0.119	0.053
AA12	0.216	0.095	0.188	0.098	0.830	0.245	-0.090	0.029
AA4	0.318	0.144	0.130	0.016	0.176	0.758	-0.086	0.093
AA5	0.274	0.155	0.199	0.107	0.196	0.812	0.016	0.061
AA6	0.264	0.139	0.191	0.110	0.179	0.793	0.013	0.086
AA15	0.032	0.089	0.216	0.189	-0.074	-0.018	1.000	0.089
SC6	0.104	0.308	0.045	0.074	0.030	0.046	0.096	0.741
SC31	0.005	0.325	0.023	0.026	0.077	0.054	0.074	0.814
SC32	0.040	0.327	-0.007	0.109	0.018	0.131	0.038	0.781

Source: Authors' Computation

Table 3 reveals that all the items have the highest loadings on their respective construct. The results depict that discriminant validity has been achieved. The purpose of discriminant validity is to determine how unique the study's constructs are. It demonstrates that each study construct has a distinct identity and is not overly connected with other study constructs.

Table 4
HTMT Results

	Advertis ing value	Affectiv e factor	Cogniti ve factor	Decepti veness	Enterta inment	Inform ativenes s	Irritati on	Self- control
Advertising value								
Affective factor	0.089			_				
Cognitive factor	0.205	0.271			_			
Deceptiveness	0.139	0.136	0.093					
Entertainment	0.303	0.165	0.249	0.124				
Informativeness	0.503	0.246	0.295	0.118	0.304			
Irritation	0.034	0.096	0.242	0.189	0.098	0.058		
Self-control	0.114	0.568	0.077	0.109	0.078	0.150	0.109	

Source: Authors' Computation

Table 4 reveals that all the values are either < 0.850 or < 1. As per Henseler et al. (2015), the discriminant validity has been attained.

Structural Model Analysis

Table 5
Complete Hypothesis Testing Results

Relationship	Coef.	T Stat	Decision	
-			<i>p</i> -Value	Outcome
Advertising Value -> Affective Factor	-0.024	0.384	0.701	Unsupported
Advertising Value -> Cognitive Factor	0.067	1.131	0.258	Unsupported
Deceptiveness -> Affective Factor	0.066	1.185	0.236	Unsupported
Deceptiveness -> Cognitive Factor	-0.016	0.298	0.765	Unsupported
Entertainment -> Affective Factor	0.085	1.542	0.123	Unsupported
Entertainment -> Cognitive Factor	0.159	2.883	0.004	Supported
Informativeness -> Affective Factor	0.121	2.214	0.027	Supported
Informativeness -> Cognitive Factor	0.168	2.685	0.007	Supported
Irritation -> Affective Factor	0.062	1.218	0.223	Unsupported
Irritation -> Cognitive Factor	0.230	4.008	0.000	Supported
Self-Control * Advertising Value (A) -> Affective Factor	0.070	0.945	0.344	Unsupported
Self-Control * Advertising Value (C) -> Cognitive Factor	0.051	0.799	0.424	Unsupported
Self-Control * Deceptiveness (A) -> Affective Factor	-0.048	0.917	0.359	Unsupported
Self-Control * Deceptiveness (C) -> Cognitive Factor	-0.012	0.260	0.795	Unsupported
Self-Control * Entertainment (A) -> Affective Factor	-0.056	1.057	0.290	Unsupported
Self-Control * Entertainment (C) -> Cognitive Factor	0.025	0.435	0.664	Unsupported
Self-Control * Informativeness (A) -> Affective Factor	-0.013	0.233	0.816	Unsupported
Self-Control * Informativeness (C) -> Cognitive Factor	-0.021	0.357	0.721	Unsupported
Self-Control * Irritation (A) -> Affective Factor	-0.070	1.277	0.201	Unsupported
Self-Control * Irritation (C) -> Cognitive Factor	0.090	1.549	0.121	Unsupported

Source: Authors' Computation

The findings of the hypothesis test are displayed in Table 5. The findings show that informative advertising appeal has a considerable favorable influence on both the cognitive

and emotional aspects of the impulsive purchasing propensity, whereas entertaining advertising appeal has a large positive impact on the cognitive aspect. All other hypotheses are shown to be rejected by the data, whereas annoying ad appeal also has a strong beneficial influence on the cognitive element of impulse purchase inclination.

Multi-Group Analysis (MGA)

Figure 2
PLS-SEM Model for the Marital Status (Single)

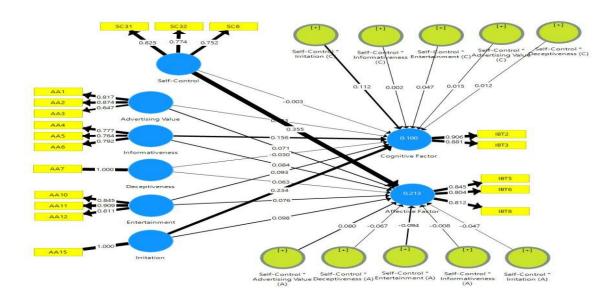
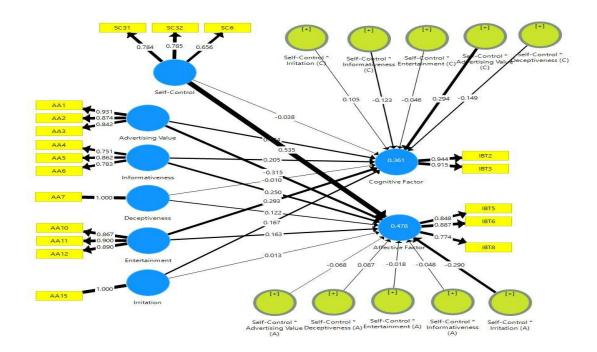


Figure 3
PLS-SEM Model for the Marital Status (Married)



Figures 2 and 3 are the PLS-SEM models for the marital status of single and married respectively. The thickness of the arrows from one variable to another reveals the strength of the relationship between them. A comparison of the models shows how the strength of the relationships differs in each of the cases.

Table 6
PLS-MGA Results

	Path Coefficients-diff (Single - Married)	p-Value original 1-tailed (Single vs Married)	p-Value new (Single vs Married)
Advertising Value -> Affective Factor	0.3866	0.0093	0.0187
Advertising Value -> Cognitive Factor	-0.1415	0.8175	0.3649
Deceptiveness -> Affective Factor	-0.0586	0.6847	0.6306
Deceptiveness -> Cognitive Factor	-0.0199	0.5539	0.8922
Entertainment -> Affective Factor	-0.0869	0.7308	0.5383
Entertainment -> Cognitive Factor	-0.1997	0.9234	0.1532
Informativeness -> Affective Factor	-0.1665	0.8444	0.3112
Informativeness -> Cognitive Factor	-0.0488	0.6173	0.7654
Irritation -> Affective Factor	0.0841	0.2925	0.5849
Irritation -> Cognitive Factor	0.0664	0.3155	0.6309
Self-Control * Advertising Value (A) -> Affective Factor	0.1484	0.2334	0.4669
Self-Control * Advertising Value (C) -> Cognitive Factor	-0.2794	0.8592	0.2816
Self-Control * Deceptiveness (A) -> Affective Factor	-0.1548	0.8553	0.2894
Self-Control * Deceptiveness (C) -> Cognitive Factor	0.1616	0.1891	0.3782
Self-Control * Entertainment (A) -> Affective Factor	-0.0754	0.7094	0.5812
Self-Control * Entertainment (C) -> Cognitive Factor	0.0924	0.2739	0.5479
Self-Control * Informativeness (A) -> Affective Factor	0.0397	0.4234	0.8468
Self-Control * Informativeness (C) -> Cognitive Factor	0.1257	0.2346	0.4692
Self-Control * Irritation (A) -> Affective Factor	0.2433	0.0970	0.1941
Self-Control * Irritation (C) -> Cognitive Factor	0.0073	0.5169	0.9661

Source: Authors' Computation

According to Table 6, the effect of advertising value and appeal on the emotional component of impulse purchase tendency differs dramatically from gender differences.

Andrew F. Hayes Process Macro Analysis

$$F(7,338) = 10.2845, p < 0.001, R^2 = 0.1756$$

Advertising appeals b1 = -.0035, t(338) = -.0439, p = .9650

Self-control b2 = -.6642, t(338) = -8.0429, p < 0.001

Marital Status b3 = -.0708, t(338) = -1.1410, p = .2547

Int_1 b4 = -.2572, t(338) = -1.3652

 $Int_2 b5 = -.0168, t (338) = -.1056$

Int_3 b6 = .2003, t(338) = 1.2260

 $Int_4 b7 = .2550, t (338) = .6461$

Product terms key:

Int_1: Advertising appeals x Self-control

Int_2: Advertising appeals x Marital status

Int_3: Self-control x Marital status

Int 4: Advertising appeals x Self-control x Marital status

Equivalent test of moderated moderation depicting 3-way interaction X*W*Z F (1,338) =

.4175, p = .5186

p value of F statistics depicts that model is significant. Self-control has a significant impact; however, advertising appeals and demographic variables (marital status) have an insignificant impact on impulse buying tendency, p value reveals. Moreover, all the interactions are also found insignificant.

Table 7

Conditional effect of self-control at different marital status

Conditional effect of self-control at different marital status		
Marital Status: Single		
Effect	Indifferent	
Marital Status: Married		
Effect	Indifferent	
Marital Status: Others		
Effect	Indifferent	

Source: Authors' Computation

Table 7 depicts that the conditional effect of self-control at different marital statuses is indifferent.

Table 8

Conditional effect of advertising appeals with interactions of self-control and different marital status

The conditional effect of advertising appeals to interactions of self-control and different marital status			
Marital Status: Single			
Low self-control	Insignificant effect		
Average self-control	Insignificant effect		
High self-control	Insignificant effect		
Marital Status: Married			
Low self-control	Insignificant effect		
Average self-control	Insignificant effect		
High self-control	Insignificant effect		
Marital Status: Others			
Low self-control	Insignificant effect		
Average self-control	Insignificant effect		
High self-control	Insignificant effect		

Source: Authors' Computation

Table 8 reveals that the conditional effect of advertising appeals with interactions of self-control and different marital status is insignificant.

Conclusion and Discussion

Discussion

It is claimed that impulse purchasing is a consequence of a deficiency of self-control (Barber et al., 2009). The results of Andrew F. Hayes Process Macro are consistent with the claim. Additionally, the findings of a multi-group research demonstrate that the influence of advertising value and appeal on the emotional element of impulse purchasing tendency considerably varies by gender. Moreover, it is claimed that consumers who are in a good mood spend more money (Murray et al., 2010). This may be the likely cause that deceptiveness and irritation in advertising appeal do not have a significant positive influence on impulsive purchase.

In general, impulse purchases have negative normative consequences (Miao & Mattila, 2013). However, impulse buying can have a positive impact; for example, if consumers purchase virtue goods like yoghurt and healthful cookies on the spur of the moment, it is beneficial to them. The discussion shows that self-control reduces undesirable outcomes while impulse may have desirable consequences as well, this may be the possible reason that self-control is not significantly moderating the relationships between various advertising appeals and impulse buying tendencies.



An advertisement that provides useful information is considered favorable (Redondo & Aznar, 2018). Most people associate impulsive purchases with pleasure (Verplanken & Sato, 2011). The act of purchasing on impulse may therefore be to feel happy and to get rid of any negativity in the attitude and advertising value, as well as entertainment both, are considered favorable for the customers which eventually create positivity in their attitude. Customers develop a favorable attitude towards advertisements when they believe they are informative (Tsang et al., 2004). When customers feel good, they shift their attention away from particular objectives and towards vague ones (Hicks & King, 2007). Abstract goals lead to impulse purchases (Bell et al., 2011). PLS-SEM findings support this, revealing that informative advertising appeal has a considerable favorable influence on both cognitive and emotional components of impulse purchase inclination. As argued previously, consumers will develop positive attitudes toward advertisements if they see them as entertaining (Aslam et al., 2016). The findings also indicate that amusing advertising appeal has a strong favorable effect on the cognitive aspect of impulsive purchase. Impulsive buying may result from a pessimistic mindset. The PLS-SEM findings support the assumption and show that annoying ad appeal significantly influences the cognitive component of the impulse purchase tendency.

Conclusion and Recommendations

Advertisers struggle to increase communication effectiveness and appropriate advertising appeal plays an important role in this regard (Akbari, 2015). Ad appeal is among the most important aspects of advertisement, which is shown in such a way as to impact people's perceptions (Raza et al., 2019). The message strategy, often known as the appeal, refers to the general style taken by the advertisement (Akbari, 2015) Advertising consumes a major share of the promotional budget and has a significant impact on consumer behavior (Sama, 2019). It indicates the significance of impulse purchases. Besides, it is also claimed that impulse purchasing has been framed as an outcome of a deficiency of self-control (Barber et al., 2009). The research contributes to the present knowledge by studying the impact of advertising appeals on impulsive purchasing inclination in the presence of self-control and marital status as moderators. The study will be beneficial for the advertisers because it reveals the effectiveness of various advertising appeals in persuading impulse buying. Customers have a favorable attitude towards advertisements when they believe that they are informative. Moreover, it is claimed that consumers will develop positive attitudes toward advertisements if they see them as entertaining. Besides other findings, the results also reveal that informativeness and entertainment in ad appeals can play a vital role in boosting impulse

buying. Therefore, the advertisers should include these two ad appeals appropriately in their ads to get maximum benefits from their advertising expenditures and efforts.

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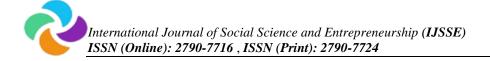
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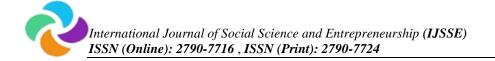
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