

Gen Y Consumers' Brand Loyalty: A Brand Romance Perspective

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Abstract

Purpose - As Generation Y is considered to be a lucrative segment for emerging devices, this study investigates the effect of emotional brand attachment, from the brand romance perspective, on brand loyalty of Generation Y smartphone users. Further, this study examines gender differences in the same relationship.

Design/methodology/approach – The study adopted a cross-sectional survey method and data was collected from 300 respondents. Data was analysed using the structural equation modelling (SEM) approach and multi-group analysis was performed to examine gender differences in the model.

Findings - Results revealed that all three aspects of brand romance (pleasure, arousal, and dominance) have a positive impact on smartphone brand loyalty. It further denotes that the relationship between brand romance and brand loyalty differs from males to females.

Originality - This study makes a significant contribution by examining emotional attachment and brand loyalty of Generation Y consumers, which has been less investigated. Further, both attitudinal and behavioral brand loyalty has been considered in this study, which has largely been overlooked in similar studies. Examining the gender difference in the above relationship is an additional contribution.

Keywords: Emotional Brand Attachment, Brand Romance, Pleasure, Arousal, Dominance, Attitudinal Loyalty, Behavioural Loyalty, Generation Y

1. Introduction

Smartphones have become a vital aspect of individuals' everyday lives. The global smartphone industry has grown exponentially, which appears to continue further (Mukherjee, 2019). The number of worldwide smartphone users was 2.9 billion in 2018 which is expected to reach 3.5 billion by 2020, with an annual sale of 1.56 billion smartphones to end-users (Statista, 2020). This tremendous growth is backed by the introduction of new operating systems and diversification of applications (Martins *et al.*, 2019) which attract novelty-seeking consumers. Consequently, smartphones have severely affected the way people communicate with each other and become a necessity of personal as well as professional lives (Derks *et al.*, 2016). This enormous growth of the smartphone industry has, therefore, attracted much scholarly attention (Yeh *et al.*, 2016; Martins *et al.*, 2019).

It is further evident that, consumers are more loyal to a few smartphone brands despite the availability of many brands in the market. At present, the global mobile market is dominated by three brands: Samsung, Apple, and Huawei accounting for 67% of the total market share (Statcounter, 2020) symbolizing the consumer dependency on brands. This is more intensified in Sri Lanka, where Samsung, Huawei, and Apple hold market shares 42.63%, 24.65%, and 9.95% respectively (Statcounter, 2020). Within this context, ensuring customer loyalty has become a major concern and smartphone manufacturers are in a continuous effort to increase customer satisfaction, thereby, achieve customer loyalty (Chen *et al.*, 2016). This effort is supported by strategies such as offering new versions, features and software upgrades (Chen *et al.*, 2016; Hung *et al.*, 2018). Concerning this, Kim *et al.* (2016) and Kim *et al.* (2020) emphasized the significance of understanding the predictors of customer loyalty in the smartphone industry.

In extant literature, numerous predictors of brand loyalty have been investigated. However, consumers' emotional attachment to brands (Round and Roper, 2012) which fosters a long term brand-consumer relationship (Long-Tolbert and Gammoh, 2012) still appears to be an interesting research avenue. As emphasized by Phau *et al.* (2013), the emotional attachment is a key to cultivate strong customer-brand relationships and, it has been examined as a predictor of brand loyalty in various contexts including automobile (Loureiro *et al.*, 2017), banking (Khan and Rahman, 2017), and fashion (Ul Hassan *et al.*, 2016). However, such studies about the smartphone industry are scarce. Therefore, this study primarily aims to investigate the effect of emotional brand attachment on brand loyalty in the Sri Lankan smartphone industry. In

doing so, this study takes the Brand Romance perspective (Patwardhan and Balasubramanian, 2011) to comprehensively capture the emotional brand attachment. Further, many studies in this domain have considered brand loyalty as a unidimensional construct, however, this study takes both attitudinal and behavioral loyalty into account. Additionally, following the argument that individual heterogeneity should be considered in examining brand loyalty (Floh *et al.*, 2014; Yeh *et al.*, 2016), this study aims to investigate gender differences in the aforesaid relationship. In summing up, the objectives of this paper are:

1. To investigate the effect of emotional brand attachment (brand romance) on smartphone brand loyalty.
2. To investigate if the relationship between emotional brand attachment and smartphone brand loyalty differs in terms of gender.

In achieving these objectives, this study specifically selected Generation Y (Gen Y) consumers considering their heavy usage of emerging devices (Lazarevic, 2012; Smith, 2015; Giovanis and Athanasopoulou, 2017). As noted by Prasad *et al.* (2019), Gen Y is largely distinguished from other generational cohorts due to the intense exposure to the latest technologies. It is a market segment with a greater spending power and a high growth potential (Giovanis and Athanasopoulou, 2017). Further, Gen Y consumers are less likely to respond well to advertising (Kim and Hahn, 2012) and their brand loyalty tendencies are unclear (Lazarevic, 2012). Yet, this segment is innovative and keen to purchase fashionable brands (Dawn and Thomas, 2013). Therefore, examining predictors of smartphone brand loyalty in the Gen Y segment seems to be scholarly sensible, and practically important.

2. Literature review

2.1. Brand loyalty

Extant literature provides various definitions to the brand loyalty. According to Ballantyne *et al.* (2006), brand loyalty is a favorable attitude and a commitment towards a brand, leading to continuous purchase. Oliver (1999) defined brand loyalty as “a deeply held commitment to rebuy or repatronize a preferred product/service consistently in the future, thereby causing repetitive same-brand or same brand-set purchasing, despite situational influences and marketing efforts having the potential to cause switching behavior” (p.34). This comprehensive definition vividly illustrates the two aspects of brand loyalty: attitudinal and behavioral loyalty, that have been even depicted in other scholarly works (e.g., Wood, 2000; Aaker, 2009; Yeh *et al.* 2016). Due to its significance, firms have been thoroughly considerate about customer

loyalty as a key success factor in the market (Tsimonis and Dimitriadis, 2014). Confirming this, Prasad *et al.* (2019), noted that highly loyal customers would virtually exclude competitive products/brands/firms from their consideration.

The definitions and measurements of brand loyalty have emerged from two schools of thought (Bandyopadhyay and Martell, 2007) representing attitudinal and behavioral aspects. In early scholastic works, brand loyalty was defined strictly from the behavioral facet (e.g., Kahn *et al.*, 1986; Ehrenberg *et al.*, 1990) denoting that repeat purchase represents a consumer's loyalty. In this regard, previous researchers have observed the proportion (e.g., Blattberg and Sen, 1974) and the sequence of brand purchases (Kahn *et al.*, 1986). However, later studies signified the attitudinal aspect of brand loyalty. According to Dick and Basu (1994), favorable attitudes must be incorporated in measuring brand loyalty, in addition to repeat purchases. The premise behind attitudinal loyalty is that a favorable attitude towards a brand would guarantee a repeat purchase (Bandyopadhyay and Martell, 2007). Moreover, Chaudhuri and Holbrook (2001), Yeh *et al.* (2016), and Giovanis and Athanasopoulou (2017) revealed that both attitudinal and behavioral loyalty significantly contribute to the performance of a brand.

2.2. Emotional brand attachment

In early periods, the attitude was considered to be the predictor of brand commitment (loyalty). However, researchers later suggested that attitude alone is insufficient to predict brand loyalty and customers should form an emotional connection with the brand to be truly loyal (Park *et al.*, 2009). Tangsupwattana and Liu (2018), for example, signified the vital role of emotional experience in symbolic consumption, which leads to brand loyalty. Similarly, Giovanis and Athanasopoulou (2017) and Toufani *et al.* (2017) highlighted that the emotional value of a brand plays a vital role in forming brand loyalty intentions.

The fundamental insight of emotional brand attachment was borrowed from the Attachment Theory (Bowlby, 1979) which concerns interpersonal relations. Later studies found that individuals can be emotionally attached to various objects such as gifts, and brands (Phau *et al.*, 2013; Park *et al.*, 2010). Following this, Esch *et al.* (2006) defined emotional brand attachment as an enduring commitment provoking the bond between consumer and a brand. Further, the emotional attachment between a brand and consumer largely depends on trust, dependability, and consistency of response (Patwardhan and Balasubramanian, 2011). Consequently, an emotional attachment can strengthen favorable feelings about the brand and lead to more customer retention/loyalty (Loureiro *et al.*, 2012; Loureiro *et al.*, 2017).

Prior scholarly works have found that brand attachment is a significant predictor of brand loyalty. However, a critical view of such studies unfolds ample opportunities where future studies can significantly contribute to the knowledge in this domain. For instance, numerous recent works have neglected the multi-faceted nature of emotional brand attachment. Bahri-Ammari *et al.* (2016), Frassetto *et al.* (2017), Kumar and Nayak (2019), and Levy and Hino (2016) found brand attachment to be a predictor of brand loyalty, however, they considered brand attachment as a uni-dimensional construct. Though some other investigations (e.g., Boateng *et al.*, 2020) attempted to capture the multi-faceted nature of attachment, they have not specifically focused on ‘emotional brand attachment’. Accordingly, it is imperative to investigate emotional brand attachment with a much comprehensive, multi-faceted view. Similarly, the multi-faceted nature of brand loyalty has also been overlooked in previous studies (e.g., Boateng *et al.*, 2020; Levy and Hino, 2016; Giovanis and Athanasopoulou, 2017).

Though emotional brand attachment and brand loyalty have been investigated in various contexts such as automobile (Loureiro *et al.*, 2012) and fashion industry (Phau *et al.*, 2013; Thakur and Kaur, 2016), less empirical studies have concerned Gen Y and the smartphone industry despite their significance. Concerning Gen Y, recent studies have investigated various consumption behaviors including emotional experience and symbolic consumption (Tangsupwattana and Liu, 2018), brand loyalty drivers in emerging devices (Giovanis and Athanasopoulou, 2017), and purchase decisions in the online environment (Prasad *et al.*, 2019). Yet, no studies have focused on emotional attachment (specifically brand romance) and brand loyalty.

2.2.1. Brand romance

Among numerous approaches that attempted to conceptualize and measure emotional brand attachment, Brand Romance (Patwardhan and Balasubramanian, 2011) emerged as a fashionable and comprehensive model. It has borrowed roots from the self-expansion model (Aron *et al.*, 1998) which elaborates the expansion of one’s self by acquiring perspectives, resources, and identities. During this process, one can access the partner’s self (e.g., partner’s perspectives, resources, and identities) which might lead to romantic involvements. Later, this analogy was extended to consumer-brand relationships (Reimann and Aron, 2009) proposing that brands have their own perspectives, resources, and identities. Patwardhan and Balasubramanian (2011), for example, illustrated that Blackberry phone users recognize

themselves with brand's perspectives and embrace attitudes and behaviors of the brand, thus, being proud to carry the brand with them.

However, the self-expansion model did not consider what happens when such a consumer-brand relationship matures. Considering this, Patwardhan and Balasubramanian (2011) proposed the concept 'Brand Romance' which was defined as "a state of emotional attachment (evoked in response to the brand as a stimulus) that is characterized by strong positive affect toward the brand, high arousal caused by the brand, and a tendency of the brand to dominate the consumer's cognition" (p.299). This definition demarcates three aspects of emotional attachment: a strongly favorable effect on the stimulus (brand), greater arousal caused by the brand, and the domination of the brand in consumer's cognition. These aspects were named as: Pleasure, Arousal, and Dominance.

Pleasure

Patwardhan and Balasubramanian (2011) defined pleasure as the "extent that the stimulus brand imparts pleasure to the consumer" (p.299). Pleasure is a hedonic quality of a stimulus (i.e., brand) (Feldman, 1995) and is in the category of emotions which includes love, desire, attraction, and fun. According to Shimp (1988), an object that pleases a person would be the foremost element to inculcate a desire for a romantic relationship. Previous studies found a positive association between pleasure and brand loyalty. For example, Hanzae *et al.* (2011) reported that pleasure has a direct positive effect on brand loyalty. Similarly, Quester and Lim (2003) reported interest and pleasure as strong (positive) predictors of brand loyalty. Thus, it can be argued that if the brand pleases the consumer, there would be a high probability to achieve brand loyalty. Accordingly, the following hypothesis is posited:

H1a; Pleasure has a positive impact on attitudinal brand loyalty of Gen Y smartphone users.

H1b; Pleasure has a positive impact on behavioral brand loyalty of Gen Y smartphone users.

Arousal

Though the consumer-brand relationship evokes positive feelings, it would not be meaningful or effective unless such feelings are intense enough to arouse the consumer (Patwardhan and Balasubramanian, 2011). Even, the self-expansion model elucidates that expression in shopping experiences may be characterized by strong arousal tendencies (Aron *et al.*, 1998). Mehrabian and Russell (1974) recognized arousal as a subjective emotional state, and Mehrabian (1996) defined arousal as a blend of both mental vigilance and physical activity. At

the high end, arousal has been identified with connotations such as “wakefulness, bodily tension, strenuous exercise, and concentration at the high end” (Bakker *et al.*, 2014, p.5). Prior works revealed that arousal significantly affects brand loyalty. For example, Han *et al.* (2018) found that arousal has a positive impact on brand satisfaction which leads to brand loyalty in the coffee shop industry. Similarly, arousal has been a strong predictor of brand loyalty in the cell phone industry (Petzer *et al.*, 2014) and the motorbike industry (Ali *et al.*, 2017). Accordingly, this study hypothesizes:

H2a; Arousal has a positive impact on attitudinal brand loyalty of Gen Y smartphone users.

H2b; Arousal has a positive impact on the behavioral brand loyalty of Gen Y smartphone users.

Dominance

Dominance represents the brand’s propensity to engage the cognition of customers (Patwardhan and Balasubramanian, 2011). This is a depiction of the consumer’s cognitive process and the power of a brand in dominating the customer’s mind. In this emotional state, the brand becomes a vital aspect of the consumer’s life and the brand may “[...] become inextricably embedded within some portion of the consumer’s psyche, as well as his/her lifestyle” (Oliver, 1999, p.40). Due to this cognitive dominance, the individual would claim the brand to be a “part of me” and an “extension of me” (see Belk, 1988). As noted by Ali *et al.* (2017), dominance may occupy a larger proportion of the consumer’s mind for a brand. Dominance can sometimes be negative, however, it might provoke repurchasing and brand loyalty when it does not limit the consumers’ freedom (Mehrabian and Russell, 1974). Prior works such as Hatice and Cemal (2017) found that dominance has a positive impact on brand loyalty of young consumers. The same findings were reported by other studies such as Petzer *et al.* (2014) and Ali *et al.* (2017). Therefore, this study hypothesizes:

H3a; Dominance has a positive impact on attitudinal brand loyalty of Gen Y smartphone users.

H3b; Dominance has a positive impact on behavioral brand loyalty of Gen Y smartphone users.

2.2.2. Effect of gender

Both practitioners and scholars have long considered individual heterogeneity in market relationships. Highlighting this, Floh *et al.* (2014) signified the need to consider individual heterogeneity in examining loyalty intentions. Among individual variables, gender proved to produce distinctive attitudes and behaviors. Yeh *et al.* (2016), for instance, emphasized that

males are more independent while females are dependent and relationship-oriented. To this end, it can be argued that emotional brand attachment and loyalty may vary across gender.

Though investigations on gender differences in brand romance and brand loyalty are scarce, scholarly works from other disciplines provide useful directions for an argument. Sun *et al.* (2010), for example, claimed that females are predominantly behaving from an emotional view and are driven by expressions such as enjoyment. This notion confirms the view of McCarty and Kaye (1984) who argued that enjoyment is a prime motivation for women. Kuss and Griffiths (2011) also revealed that intrinsic reinforcement of entertainment is central to the behavior of women during IT usage, thereby, women concern more about their emotions. Following this, Chen *et al.* (2017) argued and found that females are more driven by enjoyment when using smartphones. Based on the view that enjoyment and entertainment reflect pleasure, it would be rational to argue that women seek more pleasure from smartphone brands and tend to be loyal to brands that impart pleasure. Accordingly, this study hypothesizes:

H4a; The effect of pleasure on smartphone brand loyalty is higher among Gen Y females than males.

Numerous studies exemplify that men are less likely to be aroused by smartphones than women. Takao *et al.* (2009) found that women are heavy users of mobile phones, even under situations where mobile phone usage is regulated (i.e., driving). Such an excessive usage can be an indication of arousal triggered by positive feelings about a product. Qi *et al.* (2015), extending the same notion to mobile data services, found that female customers are more likely to continue the attachment with brands. As argued by Hew *et al.* (2017), females maintain a continuous intention to buy smartphones as a demonstration of high perceived usefulness and satisfaction resulted from usage of smartphone brands. The same argument can be extended to claim that continuous purchase intention caused by positive feelings (i.e., satisfaction) is an indication of arousal (i.e., excitement). Accordingly, this study assumes that Gen Y females are more aroused by smartphone brands and hypothesizes that:

H4b; The effect of arousal on smartphone brand loyalty is higher among Gen Y females than males.

Extant literature on addictive behavior exemplify the dominance of smartphones in male's cognition than females. van Deursen *et al.* (2015), for instance, argued that males show more addictive smartphone behaviors than females. Aljomaa *et al.* (2016) confirmed the same notion by unfolding that males are frequent users of smartphones than women. Bridging this addictive

and attachment behaviors, prior studies have found that addiction in the context of technology leads to attachment behavior (Lee *et al.*, 2013). Accordingly, Hew *et al.* (2017) implied that men have a strong attachment to smartphone brands leading to continuous purchase intention. Therefore, it can be assumed that addictive behavior followed by attachment and purchase intention is a strong indication of the smartphone brand dominance in men's cognition that leads to brand loyalty. Hence, it is hypothesized that:

H4c; The effect of dominance on smartphone brand loyalty is higher among Gen Y males than females.

3. Methods

3.1. Measures

A structured questionnaire, consisting of three sections, was used to collect data. The first section covered general information (the smartphone brand used by the respondent and the number of mobile connections used). The second section measured constructs: pleasure, arousal, dominance, and brand loyalty whereas the third section covered demographic information. Validated scales developed in previous studies were used to measure constructs (see appendix). Specifically, the measures of brand romance were adapted from Patwardhan and Balasubramanian (2011) and the measures of brand loyalty were adapted from Gecti and Zengin (2013). Respondents were asked to state their level of agreement with each statement using five-point Likert scale (1 = Strongly Disagree, 5 = Strongly Agree).

Following procedural remedies proposed by Podsakoff *et al.* (2011) were applied to avoid potential common method bias: (1) making items unambiguous and easy to understand, (2) avoiding wordings that lead to social desirability in answering, and (3) presenting a few reversed items in the final questionnaire. Sections of the questionnaire were separated and instructions to respondents were given at the beginning of each section to distract the monotonousness. The questionnaire was pre-tested before the final data collection. Confidentiality of responses was ensured, and the researcher personally explained the purpose of the data collection to respondents, avoiding non-response bias.

3.2. Data collection and demographic profile

The overall research design of this study was cross-sectional (survey). Unit of analysis was individual Gen Y smartphone users (born between 1980 and 1994) (Lazarevic, 2012) in Sri Lanka and respondents were selected purposively. The survey was conducted using both

personal and online methods during the second quarter of 2019. In the personal method, the researcher personally presented the questionnaire to respondents at four premises: two universities and two shopping malls. Most of these respondents were from the western province. 170 questionnaires were presented, and the response rate was 92%. During the online survey, the researcher sent the online version of the questionnaire (a google form) to qualified respondents via email and social network platforms. Ensuring the sample representativeness, the online questionnaire was mostly sent to respondents from areas other than the western province. 230 online questionnaires were sent, and the response rate was 70%. Accordingly, a total of 316 completed questionnaires were received and, after scrutinizing for completeness and appropriateness, 300 responses were forwarded to the validation and analysis. Further, an independent samples t-test was performed to assess if there is a difference between data collected using online and personal methods. Results of the test (pleasure: $t = 0.307, p = 0.759$; arousal: $t = -0.160, p = 0.873$; dominance: $t = -0.784, p = 0.433$; attitudinal loyalty: $t = -1.753, p = 0.081$; behavioural loyalty: $t = -1.026, p = 0.306$) indicated that there is no significant difference between groups for all variables.

53.3% of respondents were males and 46.7% were females. The highest education level of the majority was Advanced Level (48%) while there were 92 respondents with a diploma and 48 with a first degree. Most of the respondents (34.3%) represented the income category 45,001-70,000 Sri Lankan rupees. It was evident that the most preferred smartphone brand among respondents is Samsung (40.3%). While 27% of respondents preferred the Huawei brand, Apple held the third position with 15% usage.

4. Results

Structural Equation Modelling (SEM) procedure (Hair *et al.*, 2010) was chosen for data analysis as SEM is one of the major analytical methods that has been widely applied in management and marketing research (Baumgartner and Homburg, 1996). Specifically, the covariance-based SEM (CBSEM) approach was chosen due to the parameter consistency and accuracy of the CBSEM approach when the sample size exceeds 250 observations (Reinartz *et al.*, 2009). Outputs were produced using AMOS 23 package.

4.1. Measurement model

The measurement model was developed and the model fit was assessed using following criteria specified by Hair *et al.* (2010): CIMIN and degrees of freedom ($\chi^2 / df < 3$), Comparative Fit Index (CFI > 0.90), Tucker–Lewis Index (TLI > 0.90) Goodness of Fit Index (GFI > 0.90),

Root Mean Square Error of Approximation (RMSEA < 0.08), and Normed Fit Index (NFI > 0.90).

Initial measurement model showed a poor fit; therefore, modifications were made by drawing covariances among error terms. The modified measurement model showed a satisfactory model fit ($\chi^2 = 250.231$, $df = 93$, $\chi^2/df = 2.691$; $p < 0.001$; [CFI] = 0.960; [TLI] = 0.948; [GFI] = 0.906; [RMSEA] = 0.075; [NFI] = 0.938). All items loaded well (factor loadings greater than 0.6) on respective factors and were statistically significant ($p < 0.01$). Cronbach's alpha ($\alpha > 0.7$) showed a satisfactory internal consistency (pleasure, $\alpha = 0.939$; arousal, $\alpha = 0.928$; dominance, $\alpha = 0.830$; attitudinal loyalty, $\alpha = 0.806$; behavioural loyalty, $\alpha = 0.809$). Convergent validity was assessed using composite reliability (CR) and average variance extracted (AVE) (Malhotra and Dash, 2016). CR values (>0.7) and AVE values (>0.5) ensured satisfactory convergent validity. As suggested by Fornell and Larcker (1981), square roots of respective AVEs were compared with correlation coefficients to assess discriminant validity (see Table 1). With such satisfactory conditions, structural model was developed to test hypotheses.

Table 1: Convergent and discriminant validity

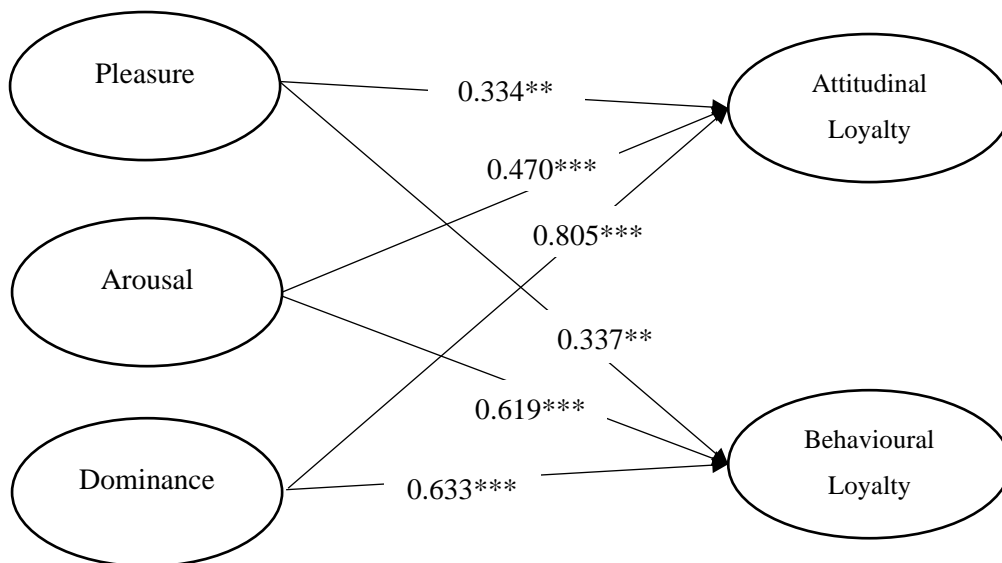
	AVE	(1)	(2)	(3)	(4)	(5)
(1) Brand Loyalty	.58	.76				
(2) Pleasure	.83	.61	.91			
(3) Arousal	.76	.76	.66	.87		
(4) Dominance	.59	.75	.58	.61	.77	
(5) Attitudinal Loyalty	.60	.72	.59	.76	.75	.77

Note: Square roots of respective AVEs are shown in the diagonal.

4.2. Structural model and hypotheses testing

As per model statistics, the structural model showed a satisfactory model fit ($\chi^2 = 264.741$, $df = 93$, $\chi^2/df = 2.847$; $p < 0.001$; [CFI] = 0.956; [TLI] = 0.944; [GFI] = 0.904; [RMSEA] = 0.079; [NFI] = 0.935). Structural model testing results are shown in Figure 1 and the summary of hypotheses testing is given in Table 2.

Figure 1: Structural model testing results



Note: ** $p < 0.01$, *** $p < 0.001$

Table 2: Summary of hypotheses testing

	Independent Variable	Dependant Variable	β	S.E.	C.R.	p	Result
H1a	Pleasure	Attitudinal Loyalty	.33	.07	3.28	.001	Supported
H1b	Pleasure	Behavioural Loyalty	.33	.10	3.16	.002	Supported
H2a	Arousal	Attitudinal Loyalty	.47	.09	3.52	.000	Supported
H2b	Arousal	Behavioural Loyalty	.61	.13	4.54	.000	Supported
H3a	Dominance	Attitudinal Loyalty	.80	.09	7.21	.000	Supported
H3b	Dominance	Behavioural Loyalty	.63	.11	7.09	.000	Supported

As shown in Table 2, all hypotheses were empirically supported. Accordingly, pleasure found to have a positive effect on attitudinal loyalty ($\beta = 0.334, p < 0.01$) and behavioural loyalty ($\beta = 0.337, p < 0.01$). Similarly, arousal positively affects attitudinal ($\beta = 0.470, p < 0.001$) and behavioural loyalty ($\beta = 0.619, p < 0.001$). Dominance found have the salient impact on both attitudinal ($\beta = 0.805, p < 0.001$) and behavioural loyalty ($\beta = 0.633, p < 0.001$).

4.3. Effect of gender

To examine if the relationship between brand romance and brand loyalty differs from males to females, a multi-group analysis was performed. A Chi-square difference test was performed to compare models and it revealed that the difference between two models is statistically significant (χ^2 difference = 42.311, $p = 0.001$).

Table 3: Summary of multi-group analysis

Independent Variable	Dependant Variable	Model 1 Males ($n = 160$)		Model 2 Females ($n = 140$)		Path coefficient difference p
		$\beta 1$	p	$\beta 2$	p	
Pleasure	Attitudinal Loyalty	.37	.016*	.41	.031*	.035*
Pleasure	Behavioural Loyalty	.30	.029*	.53	.025*	.031*
Arousal	Attitudinal Loyalty	.39	.000***	.74	.004**	.006**
Arousal	Behavioural Loyalty	.49	.013*	.98	.002**	.009**
Dominance	Attitudinal Loyalty	.88	.038*	.62	.000***	.008**
Dominance	Behavioural Loyalty	.72	.009**	.44	.011**	.014*

Note: * $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$

As shown in Table 3, the multi-group analysis revealed that the relationship between brand romance and brand loyalty differs from males to females, hence, H4 is supported. Pleasure and arousal have a cogent effect on brand loyalty among female Gen Y consumers. In contrast, dominance has the strongest effect on brand loyalty among men.

5. Discussion and implications

5.1. Discussion of findings

Findings broadly revealed that brand romance has a positive impact on Gen Y smartphone users' brand loyalty, hence, all hypotheses were supported. Pleasure had the least effect on brand loyalty which may be an indication that pleasing consumer is important, however, further actions are needed to maximize brand loyalty. Arousal had a greater impact on behavioral loyalty than on attitudinal loyalty denoting that arousal, as an emotional state, could drive re-purchases of a brand. Moreover, findings revealed that dominance has a cogent effect on brand loyalty. This could be an indication that a consumer would strongly be committed to a brand,

both attitudinally and behaviourally, once the brand dominates the consumer's cognition as a part of life.

These findings are consistent with previous scholarly works. At the broader level, this study confirms that emotional brand attachment is a significant predictor of brand loyalty (Loureiro *et al.*, 2012; Phau *et al.*, 2013; Thakur and Kaur, 2016). Hence, driving strategies to establish a consumer-brand emotional bond would result in more favorable attitudes about the brand and a long-term behavioral commitment. Specifically, from the brand romance perspective, the findings of this study are in line with prior scholarly works of Quester and Lim (2003) and Hanzaee *et al.* (2011) who found pleasure to be a significant predictor of brand loyalty. Further, the finding that arousal has a positive effect on brand loyalty, is consistent with the findings of Petzer *et al.* (2014). More importantly, this study re-confirms Mehrabian's (1996) reading of dominance as a strong emotional state. The finding that dominance is the salient predictor of brand loyalty is on par with Hatice and Cemal (2017) and Petzer *et al.* (2014).

An additional finding of this study was the gender difference in the relationship between brand romance and brand loyalty. The effect of pleasure and arousal on brand loyalty is comparatively higher among Gen Y females. This finding is consistent with Kuss and Griffiths (2011), Hew *et al.* (2017), and Qi *et al.* (2015) who found females to be more pleasure-seeking and tend to be aroused with smartphone brands. Dominance, in contrast, has a strong impact on brand loyalty among Gen Y males than females. This is, yet, consistent with Yeh *et al.* (2016), who emphasized that males are more independent and Hew *et al.* (2017) who found men to be strongly attached to smartphones. This denotes that, once a brand dominates the cognition of males, their independent nature would foster a much deeper commitment towards the brand, making it a "part of them".

This study makes both theoretical and empirical contributions. First, this study empirically validates extant knowledge on emotional brand attachment and brand loyalty in the smartphone industry. Second, this study took brand romance perspective to capture the emotional brand attachment and made a theoretical contribution by taking the multi-faceted nature of emotional brand attachment into account whereas most recent studies have treated brand attachment as a unidimensional construct. Third, a significant contribution is made by theorizing the effect of pleasure, arousal, and dominance on both attitudinal and behavioral brand loyalty. Fourth, this study could be the first attempt to extend the understanding of brand romance and brand loyalty with a view of gender difference. Finally, this study provides empirical evidence about brand

romance and smartphone brand loyalty among Gen Y consumers, who are considered to be the heaviest users of emerging devices.

5.2. Practical implications

The findings of this study shed light on various implications for practitioners. Predominantly, this study signifies the need to consider the attainment of both attitudinal and behavioral loyalty. Fostering favorable attitudes towards the brand and ensuring a long-term behavioral commitment from consumers would be a focal point of branding strategy. This study informs smartphone manufacturers/marketers of the significance of contemplating both these aspects of brand loyalty in developing branding strategies. The findings broadly advise that well-focused marketing and communication effort should be put in place to convert the consumer-brand relationship into an emotional attachment. Specifically, the marketing effort of smartphone brands should be directed towards brand loyalty through pleasing customers, arousing their cognition, and making the brand dominate their cognitive world. In doing so, various aspects of the marketing process should be fine-tuned well to maximize the brand's hedonic and functional benefits.

As said previously, Gen Y consumers are novelty seekers. Therefore, smartphone brands should focus on pleasing customers through innovations and novel features. Attractive designs, advanced features, improved performance, and durability would be key determinants of Gen Y smartphone users' pleasure and arousal. Especially, pleasure and arousal are central to the brand loyalty of Gen Y females, therefore, marketers can specifically design smartphone versions with customized designs/features that can please and arouse them. Dominance, being the salient predictor of brand loyalty among Gen Y users, demands considerable attention from marketers. It is worthy to note that dominance is the deepest level of emotional attachment, thus, need to make sure that customers will never be disappointed with the overall brand experience. The focus of every marketing effort must be a better product-use experience so that customers would consider the brand as a "part of them".

The findings further suggest that emotional attachment should be the center of brand positioning strategy, supported by well-crafted advertising/communication strategies. For example, emotional or transformational (imagery-portrayal) appeal could be effectively used as an executional framework of the advertising strategy, making the brand emotionally closer to consumers. Further, the brand positioning strategy can be aligned with Gen Y users' self and social identity profiles, helping the brand to dominate their minds.

5.3. Limitations and directions for future research

This study, despite the empirical and theoretical significance, has some limitations. First, the study was limited to Sri Lanka and the sample was not randomly selected. Replications of this study in different socio-cultural contexts and cross-cultural investigations would be a promising research direction. Second, this study used a cross-sectional survey. A longitudinal study could capture the variation of emotional brand attachment and its effect on brand loyalty. This research was limited to Generation Y, thus, future investigations can validate these findings in other generational cohorts. Next, in addition to brand romance, there are other theoretical perspectives of emotional attachment (i.e., self-congruence, self/social identity) that future studies can embrace. Finally, in addition to gender, future studies may consider other possible moderators (i.e., hedonic and utilitarian product benefits, self-image).

6. Conclusion

This study investigated the effect of brand romance on smartphone brand loyalty of Generation Y consumers. A cross-sectional survey was conducted using a sample of 300 smartphone users. The results revealed that brand romance has a positive impact on brand loyalty and this association differs across gender. Based on the findings, numerous theoretical and empirical contributions were made along with practical implications.

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Appendix: Survey instrument

Pleasure

P1: I love my smart phone brand

P2: Using this smart phone brand gives me a great pleasure

P3: I am really happy that this smart phone brand is available

Arousal

A1: I am attracted to this Smart Phone brand

A2: I desire my Smart Phone brand

A3: I want this Smart Phone brand

A4: I look forward to using this Smart Phone brand

Dominance

D1: My daydreams often include this smartphone brand

D2: This smartphone brand often dominates my thoughts

D3: Sometimes I feel I can't control my thoughts as they are obsessively on this smartphone brand

D4: This smartphone brand always seems to be on my mind

Attitudinal Loyalty

AL1: I will be without a smartphone rather than using another brand

AL2: I am committed to this smartphone brand

AL3: I am ready to pay a higher price for this smartphone brand

Behavioural Loyalty

PL1: I prefer only this smartphone brand

PL2: If this smartphone brand is not available, I will buy it in another time

PL3: I will buy the same smartphone brand in future