# An Assessment Of The Influence Of Brand Image On Consumer Loyalty: Understanding The Dynamics, Factors, And Implications

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# Abstract

The objective of this study is to assess the influence of brand image on consumer loyalty, focusing on Tata Motors and Maruti Suzuki India Limited, key players in the Indian automotive industry. Employing a quantitative research approach, Structural Equation Modeling (SEM) was utilized to explore the intricate relationship between brand image and consumer loyalty.

**Methods:** A quantitative research design was employed, utilizing structured questionnaires administered to 400 consumers visiting Tata Motors and Maruti Suzuki India Limited showrooms. Data collection encompassed perceptions of brand image and loyalty indicators, with demographic information collected for sample representativeness. Normality checks preceded SEM analysis, ensuring data validity.

**Results:** Analysis revealed a robust positive correlation between brand image and consumer loyalty. Favorable brand perceptions significantly influenced consumer loyalty, evidenced by increased repurchase intentions. These findings align with existing literature, emphasizing the pivotal role of brand image in shaping consumer behavior and fostering loyalty.

**Conclusion**: This study contributes empirical evidence of brand image's substantial impact on consumer loyalty within the automotive sector. Understanding this relationship enables companies to strategically manage brand image, enhancing consumer trust and fostering lasting brand allegiance.

**Implications**: Practical implications include investment in brand image enhancement through product quality improvement, customer experience optimization, and brand differentiation. Building brand communities and continuous monitoring are also crucial for sustained brand relevance and competitiveness.

**Keywords:** Brand image, consumer loyalty, Structural Equation Modeling (SEM), Tata Motors, Maruti Suzuki India Limited.

### 1 Introduction

The primary objective of contemporary businesses is to cultivate brand loyalty as a means to retain their customer base (Hsieh and Lindridge, 2005). Brand image emerges as a pivotal component of brand equity, encapsulating a consumer's overall perception and sentiments towards a brand (Caceres and Paparoidamis, 2007). Regardless of the marketing strategies employed by organizations, marketers' fundamental aim is to shape consumers' perceptions and attitudes towards their brand. Each organization undertakes marketing endeavors to establish a favorable brand image in consumers' minds, thereby influencing their actual purchasing behavior, driving sales, and augmenting brand equity by maximizing market share (Bennet et al., 2004). Lahap et al. (2016) assert that creating a positive brand image is a critical imperative for every company striving for organizational excellence in its respective industry. Therefore, to thrive in the competitive business landscape, companies must possess the capability to cultivate a positive brand image in the minds of their consumers. In today's business environment, organizations aspire to foster customer loyalty to garner devoted patrons. Prior researchers (Wilson, 2018; Deng et al., 2010; Wong and Sohal, 2003) have underscored the influential impact of brand image on customer loyalty. Ismail and Yunan (2016) posit that one of the key determinants of an organization's reputation and the caliber of its customer service is customer loyalty. Hence, to effectively compete with rivals, companies must deliver high-quality products and services. The overall perception of a brand is enhanced through product awareness and customer satisfaction, with customer satisfaction indicating the level of service provided to consumers (Yeo et al., 2015). When customers receive high-quality products at a reasonable price, they experience satisfaction, which in turn enhances the brand's reputation and fosters customer loyalty. Sondoh et al. (2007) conducted a study involving 97 Malaysian female respondents to investigate the impact of brand image on customer satisfaction and loyalty intentions in the context of color cosmetics. The study identified customer satisfaction as a moderating variable, revealing that a favorable brand image can significantly increase customer loyalty, leading to increased purchases or recommendations to others by up to 41.8%. Additionally, the study indicated a positive correlation between brand image and consumer loyalty of up to 35.8%. Furthermore, up to 21.1% of customers may become loyal if their satisfaction is met.

The study titled "An Assessment of the Influence of Brand Image on Consumer Loyalty: Understanding the Dynamics, Factors, and Implications" aims to delve into the intricate relationship between brand image and consumer loyalty, with a particular focus on Tata Motors and Maruti Suzuki India Limited. These two automotive giants represent significant players in the Indian automotive industry, each with its unique brand image, market positioning, and consumer base.

Tata Motors, known for its innovative engineering, diversified product portfolio, and strong emphasis on sustainability, has carved a niche for itself in the Indian automotive market. On the other hand, Maruti Suzuki India Limited, renowned for its reliability, affordability, and widespread dealership network, holds a dominant position in the Indian passenger car segment.

By examining the influence of brand image on consumer loyalty within the context of Tata Motors and Maruti Suzuki India Limited, this study seeks to uncover the underlying dynamics, key factors, and strategic implications for these automotive brands. Specifically, it aims to explore how consumers' perceptions, attitudes, and experiences with the brand contribute to their loyalty towards Tata Motors or Maruti Suzuki.

Understanding these dynamics is crucial for both brands as they navigate the evolving landscape of the automotive industry and seek to maintain and strengthen their competitive positions. By gaining insights into the factors driving consumer loyalty and the impact of brand image on consumer behavior, Tata Motors and Maruti Suzuki India Limited can devise effective marketing strategies, enhance brand positioning, and cultivate stronger relationships with their customer base.

Through this study, valuable insights will be generated to inform decision-making processes, guide marketing initiatives, and drive long-term brand success for Tata Motors and Maruti Suzuki India Limited in the highly competitive Indian automotive market.

### 2 Review of literature

### 2.1 Brand image

Aaker & Equity (1991) laid the groundwork for understanding brand image by defining it as the intricate combination of consumers' perceptions and their faith in a particular brand. This concept underscores the idea that a brand's image isn't solely based on its tangible attributes but is heavily influenced by how consumers perceive it and the level of trust they have in it. Essentially, the brand image is shaped by the collection of perceptions and beliefs that consumers hold about a brand. These perceptions play a pivotal role in the consumer decision-making process, especially when individuals are comparing and evaluating alternative brands.

Expanding on this notion, Mishra & Datta (2011) emphasized the critical role that these perceptions play in shaping consumer behavior. They highlighted that when consumers are considering different brands, the collection of perceptions associated with each brand becomes crucial in guiding their purchasing decisions. This implies that a brand's image directly impacts consumer preferences and choices in the marketplace.

Furthermore, De Chertanony (1999) delved into the distinction between corporate brands and product brands, emphasizing the intangible nature of corporate brands as assets for businesses. Unlike product brands, corporate brands are characterized by their emphasis on brand values, which are considered difficult to replicate. This highlights the strategic importance of corporate branding efforts in establishing a unique identity and fostering consumer trust.

Building on this idea, Ind (1997) elucidated that consumers derive not only products but also a set of values from companies when making purchases. Corporate brands serve as repositories of these values, embodying the ethos and identity of the company. Consequently, a strong corporate brand reputation, as noted by Porter & Claycomb (1997), can significantly enhance a business's competitiveness and drive customer loyalty.

Moving to the consumer perspective, Hsieh and Lindridge (2005) explored how consumers perceive brands in the context of specific products or services. They emphasized that a brand's image is shaped by consumers' perceptions when they associate it with particular offerings in the market. This underscores the dynamic nature of brand perception, which can vary depending on the context and consumer experiences.

Echoing this sentiment, Sondoh et al. (2007) argued that regular customers develop consistent perceptions of a brand over time. This implies that repeated interactions and experiences with a brand play a crucial role in shaping consumer perceptions and attitudes towards it.

Lastly, Martinez (2004) and Rahi (2016) highlighted the role of the physical appearance of products or services in influencing brand image. They suggested that the visual presentation of a product or service can evoke certain perceptions and emotions in consumers, ultimately impacting their likelihood to repurchase or recommend the brand.

In essence, these insights collectively underscore the multifaceted nature of brand image, which is influenced by various factors including consumer perceptions, brand values, and product presentation. Understanding and managing these factors effectively are essential for businesses to build and maintain a strong brand image in the minds of consumers.

#### 2.2 Brand loyalty

Numerous researchers (Zhou et al., 2009; Mosahab et al., 2010; Kaura, Prasad, and Sharma, 2015; Chao et al., 2015; Huang, 2020; Ismail and Yunan, 2016) have emphasized the significance of customer loyalty as a pivotal determinant of a company's performance in the market. It is defined by the customer's inclination to revisit and repurchase products or services from the same company. This consistent patronage towards a particular brand signifies brand loyalty, a manifestation of the company's emphasis on customer allegiance (Sriram et al., 2007). Such loyal customers exhibit a propensity to exclusively patronize a specific company's offerings over those of competitors, thus underscoring

the critical role of customer loyalty in gauging a company's success within its industry.

Customer loyalty entails a commitment from the consumer to continue utilizing or repurchasing goods or services from a particular business, while abstaining from engaging with competing entities (Islam & Rahman, 2016; Baran, Strunk & Galka, 2008; Wilson, 2018). Various approaches have been employed to define and assess customer loyalty, including the behavioral approach (Grahn, 1969), the attitudinal approach (Jacoby, 1971; Syahfudin & Ruswanti, 2015; Bennett et al., 2002; Jacoby and Chestnut, 1978), and the integration of both (Khoironi, 2018; Dick and Basu, 1994; Oliver, 1997; Jacoby and Chestnut, 1978).

Behavioral loyalty is demonstrated when customers repeatedly repurchase from the same brand, whereas attitudinal loyalty, useful for analyzing factors influencing loyalty and predicting customer retention, pertains to customers' attitudes towards a brand (Caceres and Paparoidamis, 2007). Viewing loyalty as an interplay between attitudes and behaviors enables a comprehensive analysis of its antecedents and consequences (Dick & Basu, 1994).

### 2.3 Brand image and Brand loyalty

Numerous earlier researchers (Chao et al., 2015; Huang, 2020; Wilson, 2018; Deng et al., 2010; Ismail and Yunan, 2016; Rahi et al., 2017; Yeo et al., 2015; Wong and Sohal, 2003) have explored the measurement of brand image, predominantly focusing on brand awareness and brand uniqueness. A study by Dam and Dam (2021) revealed that service quality positively impacts brand image, customer satisfaction, and customer loyalty. Tong and Hawley (2009) suggested that a customer's awareness of a brand and belief in its capability to fulfill their needs are pivotal factors influencing their decision to purchase that brand. Conversely, brand satisfaction reflects the delight experienced by customers with a particular brand, leading to a sense of connection and desire to own that brand (Pouromid and Iranzadeh, 2012). Customers benefit from brand awareness as it facilitates informed purchasing decisions, enabling them to easily acquire products they are familiar with and trust (Tong and Hawley, 2009). Studies, including those by Zeithaml et al. (2000), have consistently highlighted the critical role of brand awareness in fostering customer loyalty, suggesting that satisfied customers are inclined to make repeat purchases and exhibit less interest in competitors' offerings. Additionally, earlier research (Simanjuntak, 2020; Rahi, 2016) has demonstrated a strong association between brand satisfaction and customer loyalty, wherein satisfied customers are more likely to remain loyal to a brand and publicly endorse it (Ismail et al., 2006). This linkage between brand satisfaction and customer loyalty extends to various customer intentions, including repeat purchases, recommending the brand to others, and revisiting the same store (Kandampully and Suhartanto, 2000; Bloemer et al., 1998). Szware's (2005) study further reinforces the significance of customer satisfaction as the primary driver of customer loyalty towards a brand.

Based upon the above literature the research proposes a hypothesis that states that "brand image has positive impact on consumer loyalty."

### 3 Methodology

This study employs a quantitative research approach to assess the influence of brand image on consumer loyalty, with a specific focus on Tata Motors and Maruti Suzuki India Limited. Structural Equation Modeling (SEM) was chosen as the primary analytical technique due to its ability to analyze complex relationships among variables.

A convenience sampling technique was used to select 400 consumers who visited the showrooms of Tata Motors and Maruti Suzuki India Limited with the intention of purchasing cars. This sample size was deemed adequate for the purposes of this study, allowing for robust statistical analysis. Data was collected through structured questionnaires administered to the selected consumers during their showroom visits. The questionnaire was designed to capture information regarding respondents' perceptions of brand image and their loyalty towards Tata Motors and Maruti Suzuki. Additionally, demographic information such as age, gender, and income level was also collected to ensure the representativeness of the sample.

The questionnaire utilized standardized scales to measure brand image and consumer loyalty. Brand image was assessed using established dimensions such as brand reputation, brand trust, and brand satisfaction. Consumer loyalty was measured based on behavioral indicators such as repeat purchase intention and brand advocacy. Before proceeding with the structural equation modeling analysis, the normality of the data was assessed .This step ensured that the assumptions of SEM were met and justified the use of parametric statistical techniques. This study adhered to ethical guidelines for research involving human subjects. Informed consent was obtained from all participants, and their confidentiality and anonymity were strictly maintained throughout the data collection and analysis process.

# 4 Reliability Analysis

#### Table 1 - Scale Reliability Statistics of brand image

Scale Reliability Statistics					
	Cronbach's α				
scale	0.647				

The Table 1 presents the Scale Reliability Statistics, specifically Cronbach's  $\alpha$  coefficient, which measures the internal consistency or reliability of a scale. In this context, the Cronbach's  $\alpha$  value of 0.647 indicates moderate reliability. This suggests that the items within the scale assessing brand image have a moderate level of consistency in measuring the same underlying construct. While a value above 0.7 is often considered acceptable for research purposes, the obtained value suggests that there may be some variability or inconsistency in the responses, warranting further examination of the scale's items and potential adjustments for increased reliability.



### Figure 1 – brand image Correlation Heatmap

Table 1 - Scale Reliability Statistics					
	Cronbach's α				
scale	0.803				

# Table 2 - Scale Reliability Statistics of consumer loyalty





# 5 Result analysis

### Table 3 – structural Equation Models

Estimation	ML
Method	
Optimization	NLMINB
Method	
Number of	400
observations	
Free	28
parameters	
Standard	Standard
errors	
Scaled test	None
Converged	TRUE
Iterations	28
Model	Brand image =~Identity + Personality + Benefit
	+ Association
	consumer loyalty =~BL1+BL2+BL3+BL4+BL5
	consumer loyalty ~Brand image

Table 3 presents details regarding the structural equation models used in the analysis. The estimation method employed was Maximum Likelihood (ML), with an optimization method of NLMINB. A sample size of 400 observations was utilized, estimating 28 free parameters. Standard errors were calculated using standard methods, and the analysis indicated convergence. The optimization process required 28 iterations to converge to a solution. The model specifications included relationships between brand image and its predictors (Identity, Personality, Benefit, Association), as well as between consumer loyalty and its indicators (BL1, BL2, BL3, BL4, BL5). Additionally, the model accounted for a direct path from brand image to consumer loyalty, implying a hypothesized direct impact of brand image on consumer loyalty within the structural equation framework.

Parameters estimates									
				95% Confidence					
			Intervals						
Dep	Pred	Estimate	SE	Lower	Upper	β	Z	р	
consumer	Brand	1.09	0.115	0.863	1.31	0.869	9.45	< .001	
loyalty	image	1.05	0.115	0.005	1.91	0.005	5.45	<b>V.001</b>	

In Table 4, we delve into the intricate relationship between consumer loyalty and brand image, providing essential insights into the dynamics of consumer behavior within the framework of branding. The table presents parameter estimates, encapsulating the essence of this relationship along with critical statistical measures to gauge its significance and precision.

At its core, the analysis focuses on consumer loyalty as the dependent variable, portraying the degree of allegiance or commitment consumers exhibit towards a particular brand. The predictor variable under scrutiny is brand image, a multifaceted construct embodying perceptions, associations, and impressions consumers hold about a brand.

The estimate, standing at 1.09, serves as the linchpin of our exploration, signifying the magnitude of the effect brand image exerts on consumer loyalty. This numerical representation encapsulates the essence of how perceptions and associations surrounding a brand shape consumers' inclination to remain loyal

to it. However, the precision of this estimate is elucidated by the standard error (SE), which stands at 0.115, highlighting the degree of variability inherent in the estimation process.

Crucially, the confidence intervals offer a nuanced perspective on the reliability of our estimates. The lower bound of the interval, resting at 0.863, and the upper bound, extending up to 1.31, delineate the plausible range within which the true population parameter lies with 95% confidence. This interval not only underscores the robustness of our findings but also provides researchers and practitioners with valuable insights into the potential variability of the effect size.

Standardized coefficients, represented by  $\beta$ , further illuminate the relationship, offering a standardized metric to gauge the effect size of brand image on consumer loyalty. With a  $\beta$  coefficient of 0.869, our analysis quantifies the extent to which brand image influences consumer loyalty after standardizing the variables, facilitating comparisons across different studies and contexts.

The statistical significance of our findings is underscored by the zvalue and associated p-value. A z-value of 9.45 underscores the magnitude of the effect relative to its standard error, while the pvalue, resting at < .001, signifies the probability of observing such an extreme estimate under the null hypothesis of no effect. This statistical rigor corroborates the substantive impact brand image wields on consumer loyalty, affirming its significance within the realm of branding and marketing.

In essence, Table 4 serves as a beacon illuminating the intricate interplay between brand image and consumer loyalty, offering empirical evidence to substantiate the pivotal role perceptions and associations play in shaping consumer behavior. By unraveling the statistical nuances underlying this relationship, our analysis paves the way for a deeper understanding of consumer decision-making processes and informs strategic branding efforts aimed at fostering enduring consumer relationships.

### Figure 3 – Path Diagram



Measurement model								
				95% Confidence				
			Intervals					
Latent	Observed	Estimate	SE	Lower	Upper	β	Z	р
Brand	Identity	1	0	1	1	0.653		
image	identity	1	0	T	T	0.033		
	Personality	0.563	0.0936	0.38	0.747	0.358	6.02	< .001
	Benefit	0.893	0.0966	0.703	1.082	0.593	9.24	< .001
	Association	0.827	0.099	0.633	1.021	0.521	8.35	< .001
consumer loyalty	BL1	1	0	1	1	0.752		
	BL2	0.996	0.0738	0.852	1.141	0.734	13.51	< .001
	BL3	0.878	0.0686	0.744	1.013	0.693	12.8	< .001
	BL4	0.783	0.0738	0.638	0.928	0.574	10.62	< .001
	BL5	0.768	0.0721	0.627	0.909	0.576	10.65	< .001

Table 5 -	Measurement	Model
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Table 5 presents the measurement model, which outlines the relationships between latent constructs (such as brand image and consumer loyalty) and their observed indicators (specific items or variables used to measure these constructs). Here's the interpretation:

# Brand Image:

- Identity: The observed indicator for the brand image construct has an estimate of 1 with no standard error (SE), indicating a perfect relationship between the latent construct and its observed indicator. This suggests that Identity serves as a perfect representation of the brand image construct.
- Personality, Benefit, Association: These are other observed indicators for brand image. Each indicator has an estimate, SE, and 95% confidence interval. For example, Personality has an estimate of 0.563 with an SE of 0.0936. The  $\beta$  coefficient indicates the standardized loading of the observed indicator on the latent construct, with higher values suggesting stronger relationships. The z-value and p-value indicate the significance of the relationship.

# **Consumer Loyalty**

- These are observed indicators for consumer loyalty.
- Each indicator has an estimate, SE, and 95% confidence interval, similar to the indicators for brand image.
- For instance, BL2 has an estimate of 0.996 with an SE of 0.0738. The  $\beta$  coefficient reflects the standardized loading of the observed indicator on the latent construct of consumer loyalty.
- The z-value and p-value signify the statistical significance of the relationship between the observed indicator and the latent construct.

Overall, Table 5 provides a comprehensive view of how well the observed indicators capture the underlying constructs of brand image and consumer loyalty. The estimates, confidence intervals,  $\beta$  coefficients, and significance values offer valuable insights into the strength and significance of these relationships, contributing to the understanding of consumer perceptions and behaviors in the context of branding and loyalty.

### **Table 6 - Variances and Covariances**

Variances and Covariances					
	95%				
	Confidenc				
	e Intervals				

$\begin{array}{ c c c c c c c c c c c c c c c c c c c$									
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Variabl	Variabl	Estim	SE	Lo	Up	ß	z	p
y         y $0.839$ 84         86         93         73         7         01           Person ality $1.348$ $0.09$ $1.1$ $1.5$ $0.8$ $13.$ $<.0$ Benefit $ality$ $0.916$ $0.07$ $0.7$ $1.0$ $0.6$ $11.$ $<.0$ Benefit $Benefit$ $0.916$ $0.07$ $0.7$ $1.0$ $0.6$ $11.$ $<.0$ Associ         Associ $ation$ $1.144$ $0.09$ $0.9$ $1.3$ $0.7$ $12.$ $<.0$ BL1 $ation$ $1.144$ $655$ $23$ $28$ $52$ $01$ BL1 $BL1$ $0.754$ $0.07$ $0.6$ $0.8$ $0.4$ $10.$ $<.0$ BL2 $BL2$ $0.832$ $0.07$ $0.6$ $0.9$ $0.4$ $10.$ $<.0$ BL3 $BL3$ $0.816$ $0.07$ $0.6$ $0.9$ $0.5$ $11.$ $<.0$ BL	e 1	e 2	ate		wer	per	P		٢
y         y         state         state<	Identit	Identit	0 830	0.07	0.6	0.9	0.5	10.	< .0
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	У	у	0.855	84	86	93	73	7	01
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Person	Person	1 240	0.09	1.1	1.5	0.8	13.	< .0
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	ality	ality	1.540	97	52	43	72	52	01
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Donofit	Donofit	0.016	0.07	0.7	1.0	0.6	11.	< .0
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Benefit	Benefit	0.910	82	63	7	48	72	01
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Associ	Associ	1 1 4 4	0.09	0.9	1.3	0.7	12.	< .0
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	ation	ation	1.144	14	65	23	28	52	01
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	DI 1		0 75 4	0.07	0.6	0.8	0.4	10.	< .0
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	BLI	BLI	0.754	11	14	93	35	6	01
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			0 0 2 2	0.07	0.6	0.9	0.4	10.	< .0
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	BLZ	BLZ	0.652	59	83	8	61	96	01
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		210	0.916	0.07	0.6	0.9	0.5	11.	< .0
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	BL3	BL3	0.810	02	79	54	19	63	01
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			1 2 2 2	0.09	1.0	1.4	0.6	12.	< .0
BL5         BL5         1.164         09         86         42         68         81         01           Brand image         Brand image         0.624         0.09         0.4         0.8         1         6.3         <01	DL4	DL4	1.225	54	36	1	71	82	01
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	DIE		1 1 6 4	0.09	0.9	1.3	0.6	12.	< .0
image         image         0.624         91         3         18         1         6.3         01           consu         consu         consu         0.06         0.1         0.3         0.2         3.4         <.0	BLS	BLD	1.164	09	86	42	68	81	01
Image         Image         91         3         18         01           consu         consu         consu         0.06         0.1         0.3         0.2         3.4         <.0	Brand	Brand	0.024	0.09	0.4	0.8	4	6.2	< .0
mer mer 0.24 0.06 0.1 0.3 0.2 3.4 < .0	image	image	0.624	91	3	18	T	0.3	01
mer mer 0.24 89 05 75 45 9 01	consu	consu		0.06	0.1	0.2	0.2	2.4	< 0
loyalty loyalty 89 05 75 45 9 01	mer	mer	0.24						_
	loyalty	loyalty		69	05	15	45	9	01

Table 6 offers a comprehensive overview of the variances and covariances among variables within the measurement model, illuminating the intricate relationships inherent in the constructs under examination. Variances signify the degree of dispersion within individual variables, while covariances depict the extent to which variables change together. Each entry in the table represents either a variance (e.g., Identity, Personality) or a covariance between identical variables (e.g., Identity with Identity) or different variables (e.g., Identity with Personality). These estimates are accompanied by standard errors, providing insights into the precision of the measurements, and 95% confidence intervals, offering a range within which the true population parameter likely resides.  $\beta$  coefficients, where applicable, standardize the covariances, aiding in comparisons across variables. Additionally, z-values and p-values indicate the statistical significance of the

estimates, providing further validation of the relationships observed. For instance, the strong covariance between Identity and Identity, estimated at 0.839, underscores the robust relationship between different indicators of Identity within the brand image construct. Similarly, the covariance of 0.624 between Brand Image and Brand Image highlights the variability within this construct itself. In essence, Table 6 furnishes critical insights into the internal consistency and associations among variables within the measurement model, enriching our understanding of the underlying constructs and their influence on consumer perceptions and behaviors.

Intercepts								
	95%							
			Confid	ence				
			Interva	ls				
Variable	Intercep t	SE	Lowe r	Uppe r	z	р		
Identity	5.187	0.06	5.068	5.305	85.75 5	<.00 1		
Personalit y	5.152	0.06 2	5.03	5.274	82.87 3	<.00 1		
Benefit	5.233	0.05 9	5.117	5.35	88.02 9	<.00 1		
Associatio n	4.992	0.06 3	4.869	5.115	79.66 1	<.00 1		
BL1	5.197	0.06 6	5.068	5.327	78.95 2	<.00 1		
BL2	5.197	0.06 7	5.066	5.329	77.40 5	<.00 1		
BL3	5.23	0.06 3	5.107	5.353	83.42 4	<.00 1		
BL4	5.08	0.06 8	4.948	5.212	75.23 7	<.00 1		
BL5	5.022	0.06 6	4.893	5.152	76.10 7	<.00 1		
Brand image	0	0	0	0				
consumer loyalty	0	0	0	0				

### Table 7 - Intercepts

Table 7 delves into the foundational aspects of the variables under scrutiny, providing a comprehensive overview of their starting points or intercepts within the measurement model. Intercepts serve as pivotal indicators of the baseline values for each variable, offering essential insights into their initial levels before the influence of other factors is taken into account. The table meticulously details the intercept estimates for key variables, including Identity, Personality, Benefit, Association, and the observed indicators of consumer loyalty (BL1, BL2, BL3, BL4, BL5). Each estimate is accompanied by standard errors, lower and upper bounds of the 95% confidence intervals, as well as z-values and pvalues, providing a comprehensive picture of the statistical significance and precision of the intercept estimates.

For instance, the intercept for Identity is computed at 5.187, representing the anticipated baseline value when all other predictors are absent. Similarly, intercepts for other variables, such as Personality, Benefit, and Association, shed light on their starting points within the model. Notably, the observed indicators of consumer loyalty are also accounted for, with intercepts ranging from 5.022 to 5.23, signifying their initial levels before the influence of other factors.

Crucially, the intercepts for the latent constructs of Brand Image and Consumer Loyalty are set at zero, indicating their starting points in the measurement model. This deliberate choice underscores the fundamental nature of these constructs as the focal points of analysis, allowing for a clear delineation of their subsequent relationships and dynamics.

Overall, Table 7 furnishes invaluable insights into the foundational aspects of the variables within the measurement model, laying the groundwork for a nuanced understanding of their subsequent interactions and influences on consumer perceptions and behaviors.

### 6 Discussion and Conclusion

After a thorough examination of the influence of brand image on consumer loyalty, the findings of this study offer valuable insights into the dynamics shaping consumer behavior within the automotive industry, with a specific focus on Tata Motors and Maruti Suzuki India Limited. The primary objective of this study was to understand how brand image impacts consumer loyalty, and the results shed light on the significant relationship between these two constructs.

The analysis revealed a strong positive correlation between brand image and consumer loyalty. Consumers who perceive a favorable brand image are more likely to exhibit loyalty towards the brand, as evidenced by their increased intention to repurchase products or services. This finding underscores the critical role of brand image in shaping consumer perceptions, attitudes, and behaviors, particularly in the context of the automotive sector. These results align with previous research conducted by scholars such as Chao et al. (2015), Huang (2020), and Wilson (2018), who have also emphasized the influential effect of brand image on consumer loyalty. Consistent with their findings, our study reinforces the notion that a positive brand image enhances consumer trust, fosters brand allegiance, and ultimately drives customer loyalty.

Furthermore, the study's findings have practical implications for Tata Motors and Maruti Suzuki India Limited, providing actionable insights for strategic brand management. By focusing on cultivating a strong and favorable brand image, these automotive companies can effectively enhance consumer loyalty, increase customer retention, and gain a competitive edge in the market. However, it is essential to acknowledge the limitations of this study. The research was conducted within a specific industry and focused on only two automotive brands, which may limit the generalizability of the findings to other sectors or brands. Additionally, the study relied on self-reported data, which may be subject to bias or inaccuracies.

In conclusion, this study contributes to the existing body of knowledge by providing empirical evidence of the significant influence of brand image on consumer loyalty within the automotive industry. By understanding and leveraging the power of brand image, companies can effectively build strong relationships with their customers, drive brand loyalty, and achieve sustainable business growth in today's competitive marketplace.

### 7 Study Implication

The findings of this study carry several practical implications for Tata Motors, Maruti Suzuki India Limited, and other automotive companies aiming to bolster consumer loyalty through strategic brand management. First and foremost, enhancing brand image

emerges as a critical avenue for investment. This entails activities such as improving product quality, innovating design and technology, and executing effective marketing campaigns to project a positive and consistent brand image. Such efforts are pivotal in cultivating consumer trust and loyalty over time. Furthermore, optimizing the customer experience across all touchpoints—ranging from pre-sales interactions to after-sales service—is paramount. By delivering exceptional and personalized experiences, companies can forge strong emotional connections with consumers, fostering enduring brand loyalty. Brand differentiation also plays a key role, whereby emphasizing unique brand attributes—be it environmental sustainability, safety features, or customer-centric services-can set companies apart from competitors and strengthen brand identity. Moreover, building brand communities through platforms for customer engagement, such as online forums and loyalty programs, can nurture a sense of belonging among consumers, deepening brand engagement and loyalty. Lastly, continuous monitoring and adaptation are essential. Regularly assessing brand performance, consumer sentiment, and market trends enables companies to stay responsive to evolving consumer preferences and market dynamics, facilitating the timely adjustment of branding strategies for sustained relevance and competitiveness. Through the implementation of these strategies and the utilization of insights gleaned from the study, automotive companies can effectively cultivate and maintain consumer loyalty, driving brand growth and long-term success within the dynamic automotive industry landscape.

### 8 Future Scope of The Study

The study on the influence of brand image on consumer loyalty within the automotive industry offers several promising directions for future research. One such avenue involves conducting comparative analyses across different industries or geographic regions to understand how contextual factors influence the relationship between brand image and consumer loyalty. Exploring variations in consumer behavior and brand perceptions across diverse markets could provide valuable insights for companies operating in the automotive sector. Additionally, longitudinal studies tracking changes in brand image and consumer loyalty over time could deepen our understanding of these constructs' dynamics. By analyzing trends and patterns, researchers can identify factors driving shifts in consumer preferences and loyalty, informing strategic decisions for automotive companies. Furthermore, investigating mediating and moderating factors that influence the relationship between brand image and consumer loyalty could uncover the underlying mechanisms at play. Factors such as brand trust, perceived value, and brand personality may play pivotal roles in shaping consumer behavior and warrant further exploration. By delving into these areas of inquiry, future research can contribute to a more comprehensive understanding of the complex interplay between brand image and consumer loyalty in the automotive industry landscape.

# 9 References

- Aaker, J. L. (1997). Dimensions of brand personality. Journal of Marketing Research, 34(3), 347-357.
- Akdeniz Ar, A., & Kara, A. (2014). Emerging market consumers' country of production image, trust and quality perceptions of global brands made-in China. Journal of Product & Brand Management, 23(7), 491-503.
- Al-Hawary, S. I. S. (2013). The roles of perceived quality, trust, and satisfaction in predicting brand loyalty: the empirical research on automobile brands in Jordan market. International Journal of Business Excellence, 6(6), 656-686.
- Bennett, R., & Rundle-Thiele, S. (2002). A comparison of attitudinal loyalty measurement approaches. Journal of Brand Management, 9(3), 193-209.
- Bennett, R., & Rundle-Thiele, S. (2004). Customer satisfaction should not be the only goal. Journal of Services Marketing.
- Bloemer, J., De Ruyter, K., & Peeters, P. (1998). Investigating drivers of bank loyalty: the complex relationship between image, service quality and satisfaction. International Journal of Bank Marketing.
- Caceres, R. C., & Paparoidamis, N. G. (2007). Service quality, relationship satisfaction, trust, commitment and business-to-business loyalty. European Journal of Marketing.
- Chao, R. F., Wu, T. C., & Yen, W. T. (2015). The influence of service quality, brand image, and customer

satisfaction on customer loyalty for private karaoke Roomsin Taiwan. The Journal of Global Business Management, 11(1), 59-67.

- Comrey, A. L., & Lee, H. B. (1992). Interpretation and Application of Factor Analytic Results. Comrey AL, Lee HB. A first course in factor analysis, 2, 1992.
- Dam, S. M., & Dam, T. C. (2021). Relationships between service quality, brand image, customer satisfaction, and customer loyalty. The Journal of Asian Finance, Economics and Business, 8(3), 585-593.
- Davies, G., Chun, R., Da Silva, R. & Roper, S. (2003). Corporate Reputation and Competitiveness. Routledge, UK: London.
- De Chernatony, L. (1999). Brand management through narrowing the gap between brand identity and brand reputation. Journal of Marketing Management, 15(1-3), 157-179.
- Deng, Z., Lu, Y., Wei, K. K., & Zhang, J. (2010). Understanding customer satisfaction and loyalty: An empirical study of mobile instant messages in China. International Journal of Information Management, 30(4), 289-300.
- Dick, A. S., & Basu, K. (1994). Customer loyalty: toward an integrated conceptual framework. Journal of The Academy of Marketing Science, 22(2), 99-113.
- Eakuru, N. & Mat, N. K. N. (2008). The application of structural equation modeling (SEM) in determining the antecedents of customer loyalty in banks in South Thailand. The Business Review, Cambridge, 10(2), 129-139.
- Gholami, R., Sulaiman, A. B., Ramayah, T., & Molla, A. (2013). Senior managers' perception on green information systems (IS) adoption and environmental performance: Results from a field survey. Information & Management, 50(7), 431-438.
- Gold, A. H., Malhotra, A., & Segars, A. H. (2001). Knowledge management: An organizational capabilities perspective. Journal of Management Information Systems, 18(1), 185-214.

- Grahn, G. L. (1969). NBD model of repeat-purchase loyalty: An empirical investigation. Journal of Marketing Research, 6(1), 72-78.
- Hsieh, M. H., & Lindridge, A. (2005). Universal appeals with local specifications. Journal of Product & Brand Management.
- Huang, L., Wang, M., Chen, Z., Deng, B., & Huang, W. (2020). Brand image and customer loyalty: Transmitting roles of cognitive and affective brand trust. Social Behavior and Personality: An International Journal, 48(5), 1-12.
- Ind, N. (1997). The Corporate Brand. In The corporate brand (pp. 1-13). Palgrave Macmillan, London.
- Islam, J. U., & Rahman, Z. (2016). Examining the effects of brand love and brand image on customer engagement: An empirical study of fashion apparel brands. Journal of Global Fashion Marketing, 7(1), 45-59.
- Ismail, A., & Yunan, Y. M. (2016). Service quality as a predictor of customer satisfaction and customer loyalty. LogForum, 12(4), 269-283.
- Jacoby, J., Chestnut, R. W., & Fisher, W. A. (1978). A behavioral process approach to information acquisition in nondurable purchasing. Journal of Marketing Research, 15(4), 532-544.
- Johnson, M. D., Andreessen, T. W., Lervik, L. & Cha, J. (2001). The evolution and future of national customer satisfaction index models. Journal of Economic Psychology, 22, 217-245.
- Kandampully, J., & Suhartanto, D. (2000). Customer loyalty in the hotel industry: the role of customer satisfaction and image. International Journal of Contemporary Hospitality Management.
- Kaura, V., Prasad, C. S. D., & Sharma, S. (2015). Service quality, service convenience, price and fairness, customer loyalty, and the mediating role of customer satisfaction. International Journal of Bank Marketing.
- Khoironi, T. A., Syah, H., & Dongoran, P. (2018). Product quality, brand image and pricing to improve satisfaction impact on customer loyalty. International Review of Management and Marketing, 8(3), 51.

- Kline, R. B. (2015). Principles and Practice Of Structural Equation Modeling. Guilford publications.
- L Sondoh Jr, S., Wan Omar, M., Abdul Wahid, N., Ismail, I., & Harun, A. (2007). The effect of brand image on overall satisfaction and loyalty intention in the context of color cosmetic. Asian Academy of Management Journal (AAMJ), 12(1), 1-25.
- Lahap, J., Ramli, N. S., Said, N. M., Radzi, S. M., & Zain, R.
   A. (2016). A study of brand image towards customer's satisfaction in the Malaysian hotel industry. Procedia-Social and Behavioral Sciences, 224, 149-157.
- Mabkhot, H. A., & Shaari, H. (2017). The influence of brand image and brand personality on brand loyalty, mediating by brand trust: An empirical study. Jurnal Pengurusan, 50, 71-82.
- Martineau, P. (1958). The personality of retail store. Harvard Business Review, 36(1), 47-55.
- Martinez, E., & De Chernatony, L. (2004). The effect of brand extension strategies upon brand image. Journal of Consumer Marketing.
- Mishra, P., & Datta, B. (2011). Perpetual asset management of customer-based brand equity-The PAM evaluator. Current Research Journal of Social Sciences, 3(1), 34-43.
- Ogba, I. E. & Tan, Z. (2009). Exploring the impact of brand image on customer loyalty and commitment in China. Journal of Technology Management in China, 4(2), 132-144.
- Oliver, R. L. (1999). Whence consumer loyalty?. Journal of Marketing, 63(4\_suppl1), 33-44.
- Parasuraman, A., & Grewal, D. (2000). The impact of technology on the quality-value-loyalty chain: a research agenda. Journal of The Academy of Marketing Science, 28(1), 168-174.
- Porter, S. S., & Claycomb, C. (1997). The influence of brand recognition on retail store image. Journal of Product & Brand Management.
- Rahi, S. (2016). Impact of customer perceived value and customers perception of public relation on customer loyalty with moderating role of brand image. The Journal of Internet Banking and Commerce, 21(2).

- Rahi, S., Yasin, N. M., & Alnaser, F. M. (2017). Measuring the role of website design, assurance, customer service and brand image towards customer loyalty and intention to adopt internet banking. The Journal of Internet Banking and Commerce, 1-18.
- Rahman, S., & Rivai, H. A. (2015) The Effect of Training Satisfaction, Pay Satisfaction on Turnover Intention through Organizational Commitment as a Mediator Variable Study of The Three-Stars Hotels Employees in Padang City.
- Sarstedt, M., Hair Jr, J. F., Cheah, J. H., Becker, J. M., & Ringle, C. M. (2019). How to specify, estimate, and validate higher-order constructs in PLS-SEM. Australasian Marketing Journal (AMJ), 27(3), 197-211.
- Shi, Y., & Hjaltaso, L. (2017). Product Image to Build The Core Competitiveness of Enterprises. In MATEC Web of Conferences (Vol. 100, p. 05007). EDP Sciences.
- Simanjuntak, M., Sumarwan, U., & Situmorang, A. D. (2020). The effect of marketing mix and brand image on customer loyalty of remixed mortar. Independent Journal of Management & Production, 11(2), 450- 472.
- Sriram, S., Balachander, S., & Kalwani, M. U. (2007). Monitoring the dynamics of brand equity using storelevel data. Journal of Marketing, 71(2), 61-78.
- Syahfudin, E., & Ruswanti, E. (2015). The impact of service quality and brand image on customer loyalty mediated by customer satisfaction: In Indonesia banking industry. Journal Faculty of Economic, Esa Unggul University, Jakarta.
- Szwarc, P. (2005). Researching Customer Satisfaction & Loyalty: How to Find Out What People Really Think. Kogan Page Publishers.
- Tong, X., & Hawley, J. M. (2009). Measuring customerbased brand equity: Empirical evidence from the sportswear market in China. Journal of Product & Brand Management.
- Ulusu, Y. (2011). Effects of brand image on brand trust. Journal of Yasar University, 24(6), 3932-3950.
- Wilson, N. (2018). The impact of service quality and brand image toward customer loyalty in the Indonesian airlines industry. Jurnal Manajemen Indonesia, 18(3), 222-234.

- Wong, A., & Sohal, A. (2003). Service quality and customer loyalty perspectives on two levels of retail relationships. Journal of Services Marketing.
- Yeo, G. T., Thai, V. V., & Roh, S. Y. (2015). An analysis of port service quality and customer satisfaction: The case of Korean container ports. The Asian Journal of Shipping and Logistics, 31(4), 437-447.
- Zhou, T., Lu, Y., & Wang, B. (2009). The relative importance of website design quality and service quality in determining consumers online repurchase behaviour. Information Systems Management, 26(4), 327-337.