A Services Marketing Improving the Quality of Using IBM SPSS Statistics

* **Kamra Komal Bhagwandas**
SST College of Arts and Commerce, Maharashtra, India
*Corresponding Author Email: komalkamra@sstcollege.edu.in

Abstract: *Services Marketing, Introduction: Every day, we engage in a variety of economic actions, such as having a courier delivered to the specified address, calling a friend, relative, or customer, obtaining coffee at a coffee shop, or riding the subway to get to work. These actions are referred to be services since they entail a deed or an act and are provided to another party in exchange for money. In many ways, services and things are different. A service is not provided in the same manner as a product is created, distributed, advertised, or used. So, the advertising of services requires a unique marketing strategy. Research significance: Companies that sell tangible goods rely on sales and marketing, but organizations that sell intangible goods utilize service marketing to draw customers. This type of marketing allows companies to reach a larger or potentially global market by showcasing and promoting intangible products to consumers. Companies can use market studies to comprehend the demand for, viability of, and potential performance of their product. Either required data or information obtained, both of which give distinctive insight into a company's offering, is used in market research. Methodology: SPSS statistics is a data management, advanced analytics, multivariate analytics, business intelligence, and criminal investigation developed by IBM for a statistical software package. A long time, spa inc. was created by, IBM purchased it in 2009. The brand name for the most recent versions is IBM SPSS statistics. Evaluation parameters: Internal Marketing, Employee Attitudes, Employee Behavior, External marketing, Customer Attitudes Results: The Cronbach's Alpha Reliability result. The overall Cronbach's Alpha value for the model is .438 which indicates 43% reliability. From the literature review, the above 30% Cronbach's Alpha value model can be considered for analysis. Conclusion: the outcome of Cronbach's Alpha Reliability. The model's total Cronbach's Alpha score is.438, which denotes a 43% dependability level. The 30% Cronbach's Alpha value model mentioned above from the literature review may be used for analysis.*
Keywords: *SPSS Statistics, Employee Attitudes, Employee Behavior, External marketing, Customer Attitudes*

1. INTRODUCTION

The complexity, separateness, heterogeneity, and perish ability of services are four distinctive traits that this essay addressed in a conceptual framework of issues and marketing tactics. The concept is based on an analysis of the expanding body of services marketing literature. The article also included findings from such a national study of service companies that looked at the issues they confront and the methods they employ. [1] It's possible that the dearth of researchers working in this field is reflected in the fact that these journals didn't receive any worth publishing manuscripts on global marketing strategy during the authors of the study time frame. It might also be a result of a bias against the relatively young scientific field in some journals. These findings, in turn, likely show that the communities in advertising and international business experts just haven't been paying attention to international services marketing until recently for whatever reasons.[2] This article's goal is to introduce a services company's marketing model that combines both internal and exterior marketing activities. A more positive shift in customer attitudes and behavior is anticipated as a result of this integration. The model's managerial implications are also presented. [3] This list does not even begin to cover all of the articles in each services marketing subfield (such as health care, financial, professional, nonprofit, education, hospitality, government). Also, there are currently a lot of conferences and symposia hosted every year in the US and Europe, enabling services researchers can present and disseminate their work. Three further noteworthy aspects significantly influenced the development of the literature in addition to the enthusiasm and risk-taking that have defined the discipline's development. [4] We have recognized the concept of "crisis incubation" in the pre-crisis management phase as possibly useful for future services marketing research from the area of crisis management. We have identified the concept of "customer participation in service production" from the field of services

marketing as potentially useful for future studies into crisis management by service organizations. [6] Thus, the outside place to start for service quality enhancement is ongoing evaluation and monitoring of customer needs and perceived service quality. Clearly, marketing is in charge of this. Quality of service measurement must remain near to the customer, yet the customer's needs are a moving target and they have the freedom to enter and exit the services interaction zone(s) at any time. The specific service setting will determine the research methodology used in practice. [7] In a situation involving services marketing, these distinct elements have had the effect of generating specific demands on managers. Moreover, new performance criteria may be required when services must adapt to suit shifting customer needs or when online technologies enter the market, and the caliber of management decision-making may become crucial for competitive success. The competencies in services management will be impacted by these issues. In order to determine which management competencies may be more significant in a services setting, the following section takes into consideration various definitions & descriptions of management competencies.[8] Via the marketing mix, the consumer encounters the service; the key components of the marketing mix for services that have the most impact on customer expectations are place, physical proof, participants, and procedure. Customers' sentiments and views about the service they received have a significant impact on whether they become repeat customers or not. This proposed model is built upon hypotheses that link the components of the marketing mix to how customers view the quality of the services they receive.[9] The components of how these constructions interact in a museum context are examined in this article. The incorporation and examination of these characteristics in a museum context is novel to this article. To more fully comprehend the nature of marketing strategy that will improve performance, we contend that it is necessary to apply more sophisticated principles of services marketing to museum services. This essay will analyze the roles on SQ, potential value, pleasure, and repurchase to determine the attitudes of consumers. [12] Despite the notion that completing goods purchase transactions is the goal of online retail, all e-retail interactions are actually service transactions. This claim is supported by a sizable body of services-marketing theory, and substantial empirical services-marketing research may be found. Used to describe how successful e-retailing works. [13] This example shows that innovative strategies for establishing and fostering a customer-focused company culture in service organizations don't have to be difficult. But, they can only result from senior management's sincere concern for clients and staff, as well as their will to put that concern into action. [14] Together with the development in the importance of services, a range of techniques and strategies have been employed to evaluate their dimensions, procedures, and results. These efforts have been made throughout the past 40 years with an emphasis on conceptualizing and evaluating different facets of services marketing. When attempting to measure services, it is necessary to take into account their unique, multifaceted, and complicated qualities. [15] Sport marketing is being included into service marketing frameworks more and more frequently. Some of the distinctive characteristics of sport will be used to create a conceptual model that incorporates the service delivery branding constructs of satisfaction, quality, and value in order to enhance research on sport services specifically. The principal method of distributing sports services is through sporting stadiums since people like to watch the matches sporting events in venues that were created specifically for that purpose. [16] This article's main theme has been "tangibilizing the intangible" as a means of success in services marketing, and a number of challenges associated with it have been discussed. Each company has a unique way of tangibilizing, whether it is the firm's product mix or the company itself. Some businesses, like Prudential Insurance Company, attempt to represent an actual physical thing, like a piece of rock.[17] This essay combines the research from Step 1's summarizing process to create a comprehensive framework for understanding how AI affects consumer behavior and, in turn, service marketing. The goal is to present a thorough yet economical assessment of current methods that serves as a starting point for further debate on the application of AI in marketing management. [21]

2. MATERIALS & METHODS

Evaluation parameters: Internal Marketing, Employee Attitudes, Employee Behavior, External marketing, Customer Attitudes

Internal Marketing: This essay combines the research from summarizing process to create a comprehensive framework for understanding how AI affects consumer behavior and, in turn, service marketing. The goal is to present a thorough yet economical assessment of current methods that serves as a starting point for further debate on the application of AI in marketing management. Despite the above-mentioned confusion, a careful review of the literature from the past 20 years reveals the existence of three distinct yet intricately intertwined strands of theory foundation of the IM conceptualization: a job satisfaction phase, a customer oriented phase, and a strategic plan implementation/change management phase. Next, we go over how these phases developed.

Employee Attitudes: To quantify the potential monetary value gains that would be linked to improved employee attitudes, it multiplies salary dollars by a weighted attitude score. In essence, this strategy begins by matching employees' wages with their contributions to the company. This number is multiplied by such an attitude score, which implies that changing one's attitude could potentially increase one's value as an employee.

Employee Behavior: We provide two crucial contributions. The first step is to evaluate an organizational model of perceived role stress among customer-contact service providers and its associated effects on job and life happiness, work/life conflict, performance, and intent to quit. The very limited body of research on service provider/customer-contact employee behavior serves as the foundation for this paradigm. The relationships between the constructs that make up the overall mathematical framework are then evaluated for any potential gender-based discrepancies. Particular focus is placed on gender-based variations in the effects of role stress at work. Gender should be taken into consideration as a potential moderator based on differences in these and other connections.

External marketing: Traditional marketing initiatives of the company are included in external marketing. They are typically grouped into those manufacturing and product creation, pricing setting, communication, and distribution operations that serve as a conduit between the business and its clients. Despite the fact that many businesses view marketing as primarily a sales activity meant to transfer products from of the supplier to the customer, contemporary thinking suggests that companies require a more consumer-focused marketing strategy meant to meet the demands of the consumer.

Customer Attitudes: The mindset change model for regional telephone service constructed inside the preceding section needs to be estimated using panel data. Also, it is preferable to use experimentally created data because in real-world scenarios, client opinions are less likely to change over time. Our work employs data over the period from a field test rather than a laboratory experiment, in contrast to earlier longitudinal studies of consumer satisfaction. The field study was carried out as a part of GTE's mission to increase customer happiness.

Methods: IBM created the statistical software package SPSS statistics, which includes features for managing data, actionable insights, multidimensional predictive analysis, data analytics, and criminal investigation. IBM founded Long Time Spa Inc., which it later bought in 2009. The latest versions are marketed under the name IBM SPSS statistics. It is usual practice to utilize its "statistical package of social studies" (SPSS), a collection of software tools for modifying, analyzing, and displaying data. SPSS supports a number of formats. To expand the computer's data entry, analytical, or reporting capabilities, many add-on modules can be purchased. The main application is known as SPSS base. The most crucial of them for statistical analysis, in our opinion, are indeed the Pass advanced models and the add-on modules for the SPSS linear regression. Moreover, unconnected independent programmed.

3. RESULT AND DISCUSSION

TABLE 1. Reliability Statistics

Reliability Statistics		
Cronbach's Alpha[a]	Cronbach's Alpha Based on Standardized Items[a]	N of Items
.438	.303	5

Table 1 shows Cronbach's Alpha Reliability result. The overall Cronbach's Alpha value for the model is .438 which indicates 43% reliability. From the literature review, the above 30% Cronbach's Alpha value model can be considered for analysis.

TABLE 2. Reliability Statistic individual

	Cronbach's Alpha if Item Deleted
Internal Marketing	0.239
Employee Attitudes	0.395
Employee Behavior	0.217
External marketing	0.064
Customer Attitudes	0.201

Table 2 Shows the Reliability Statistic individual parameter Cronbach's Alpha Reliability results in Internal Marketing 0.239, Employee Attitudes 0.395, Employee Behavior 0.217, and External marketing 0.064, Customer Attitudes 0.201.

TABLE 3. Descriptive Statistics

|	N	Range	Minimum	Maximum	Mean		Std. Deviation	Variance	Skewness		Kurtosis	
	Statistic	Statistic	Statistic	Statistic	Statistic	Std. Error	Statistic	Statistic	Statistic	Std. Error	Statistic	Std. Error
Internal Marketing	36	4	1	5	2.92	0.146	0.874	0.764	0.104	0.393	0.274	0.768
Employee Attitudes	36	4	1	5	3.03	0.201	1.207	1.456	0.262	0.393	0.901	0.768
Employee Behavior	36	4	1	5	3.19	0.198	1.191	1.418	0.354	0.393	1.044	0.768
Customer Attitudes	36	4	1	5	3	0.225	1.352	1.829	0.073	0.393	1.044	0.768
Customer Attitudes	36	4	1	5	2.92	0.205	1.228	1.507	0.029	0.393	0.734	0.768
Valid N (listwise)	36											

Table 3 shows the descriptive statistics values for analysis N, range, minimum, maximum, mean, standard deviation, Variance, Skewness, and Kurtosis. Internal Marketing, Employee Attitudes, Employee Behavior, Customer Attitudes, Customer Attitudes, this also using.

TABLE 4. Frequency Statistics

|		Internal Marketing	Employee Attitudes	Employee Attitudes	Customer Attitudes	Customer Attitudes
N	Valid	36	36	36	36	36
	Missing	0	0	0	0	0
Mean		2.92	3.03	3.19	3	2.92
Std. Error of Mean		0.146	0.201	0.198	0.225	0.205
Median		3	3	3	3	3
Mode		3	4	3	3	3
Std. Deviation		0.874	1.207	1.191	1.352	1.228
Variance		0.764	1.456	1.418	1.829	1.507
Skewness		-0.104	-0.262	0.354	-0.073	-0.029
Std. Error of Skewness		0.393	0.393	0.393	0.393	0.393
Kurtosis		0.274	-0.901	-1.044	-1.044	-0.734
Std. Error of Kurtosis		0.768	0.768	0.768	0.768	0.768
Range		4	4	4	4	4
Minimum		1	1	1	1	1
Maximum		5	5	5	5	5
Sum		105	109	115	108	105

Table 4 shows the Frequency Statistics in Solar photovoltaic technology is Internal Marketing, Employee Attitudes, Employee Behavior, and Customer Attitudes, Customer Attitudes, curve values are given. Valid 36, Missing value 0, Median value 3, Mode value 3.
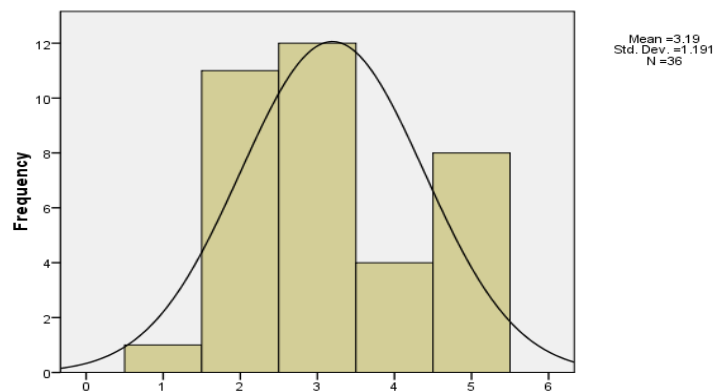
Histogram Plot:
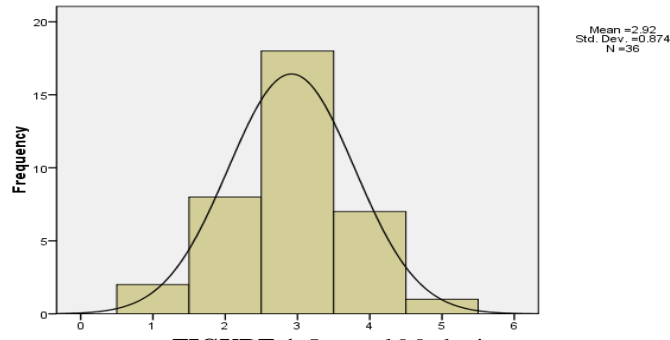
FIGURE 1. Internal Marketing

Figure 1 shows the histogram plot for Internal Marketing from the figure it is clearly seen that the data are slightly Left skewed due to more respondents choosing 3 for Internal Marketing except for the 3 values all other values are under the normal curve shows model is significantly following a normal distribution.
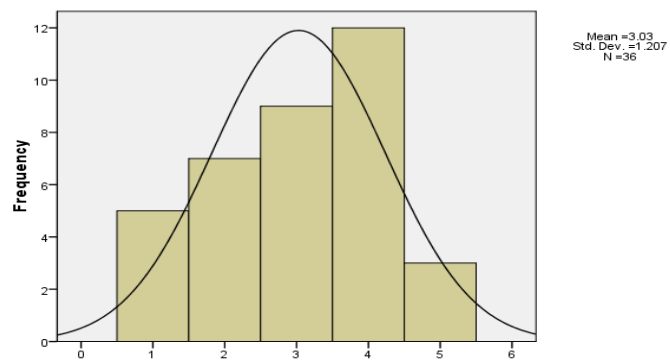
FIGURE 2. Employee Attitudes

Figure 2 shows the histogram plot for Employee Attitudes from the figure it is clearly seen that the data are slightly Left skewed due to more respondents choosing 4 for Employee Attitudes except for the 4 values all other values are under the normal curve shows the model is significantly following a normal distribution.

FIGURE 3. Employee Behavior

Figure 3 shows the histogram plot for Employee Behavior from the figure it is clearly seen that the data are slightly Left skewed due to more respondents choosing 3 for Employee Behavior except for the 3 value all other values are under the normal curve shows the model is significantly following a normal distribution.
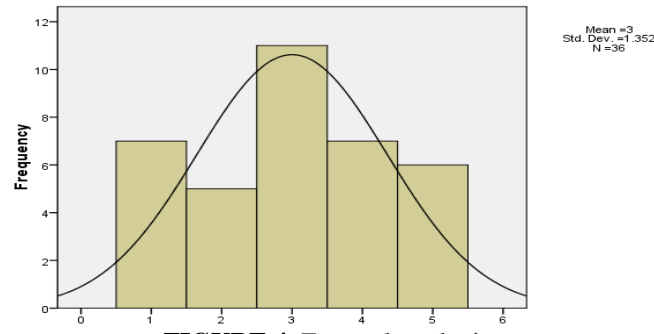
FIGURE 4. External marketing

Figure 4 shows the histogram plot for External marketing from the figure it is clearly seen that the data are slightly Left skewed due to more respondents choosing 3 for External marketing except for the 3 values all other values are under the normal curve shows the model is significantly following a normal distribution.
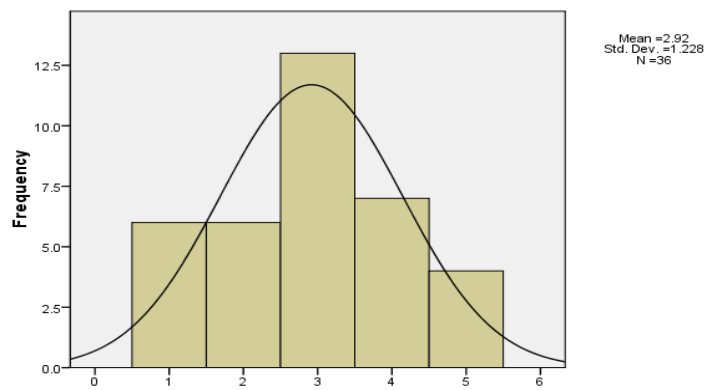

FIGURE 5. Customer Attitudes

Figure 4 shows the histogram plot for Customer Attitudes from the figure it is clearly seen that the data are slightly Left skewed due to more respondents choosing 3 for Customer Attitudes except for the 3 values all other values are under the normal curve shows the model is significantly following a normal distribution.

TABLE 5. Correlations

	Internal Marketing	Employee Attitudes	Employee Behavior	External marketing	Customer Attitudes
Internal Marketing	1	.381*	0.149	0.169	0.073
Employee Attitudes	.381*	1	0.024	0.018	0.037
Employee Behavior	0.149	0.024	1	0.213	0.243
External marketing	0.169	0.018	0.213	1	0.207
Customer Attitudes	0.073	0.037	0.243	0.207	1

Table 5 shows the correlation between motivation parameters for Internal Marketing for Employee Attitudes is having the highest correlation with Customer Attitudes is having lowest correlation. Next, the correlation between motivation parameters for Employee Attitudes for Internal Marketing is having the highest correlation with External marketing having the lowest correlation. Next, the correlation between motivation parameters for Employee Behavior for Customer Attitudes is having the highest correlation with Employee Attitudes having the lowest correlation. Next, the correlation between motivation parameters for External marketing for Employee Behavior is having the highest correlation with Employee Attitudes having the lowest correlation. Next, the correlation between motivation parameters for Customer Attitudes for Employee Behavior is having the highest correlation with Employee Attitudes having the lowest correlation.

4. CONCLUSION

The components of how these constructions interact in a museum context are examined in this article. The incorporation and examination of these characteristics in a museum context is novel to this article. To more fully

comprehend the nature of marketing strategy that will improve performance, we contend that it is necessary to apply more sophisticated principles of services marketing to museum services. This essay will analyze the roles on SQ, potential value, pleasure, and repurchase to determine the attitudes of consumers. Despite the notion that completing goods purchase transactions is the goal of online retail, all e-retail interactions are actually service transactions. This claim is supported by a sizable body of services-marketing theory, and substantial empirical services-marketing research may be found. Used to describe how successful e-retailing works. This example shows that innovative strategies for establishing and fostering a customer-focused company culture in service organizations don't have to be difficult. But, they can only result from senior management's sincere concern for clients and staff, as well as their will to put that concern into action. Together with the development in the importance of services, a range of techniques and strategies have been employed to evaluate their dimensions, procedures, and results. These efforts have been made throughout the past 40 years with an emphasis on conceptualizing and evaluating different facets of services marketing. When attempting to measure services, it is necessary to take into account their unique, multifaceted, and complicated qualities. The Cronbach's Alpha Reliability result. The overall Cronbach's Alpha value for the model is .438 which indicates 43% reliability. From the literature review, the above 30% Cronbach's Alpha value model can be considered for analysis.

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