E-Grocery Buying Behaviourv

Karthik Srivatchan K A[a], Dr.V.Dhayalan[b]

[a]Student, Department of Management studies, Sri Sairam Engineering College
[b]Associate Professor, Department of Management Studies, Sri Sairam Engineering College

ABSTRACT :

This research project explores the dynamic world of online grocery purchasing behaviour in an effort to identify the complex variables that influence customer preferences in this ever changing field. Using a mixed-methods approach, the research examines aspects including product selection, delivery services, pricing tactics, and user interface design using both quantitative surveys and qualitative interviews. The study also looks at psychographic and sociodemographic factors in an effort to pinpoint specific customer groups in the e-grocery industry. In order to uncover patterns and connections that highlight the complex nature of customer behaviour, sophisticated statistical techniques are utilised. The report also takes into account extraneous factors like cultural effects and the COVID-19 pandemic's effect on e-grocery choices. The results provide insightful information for marketers, legislators, and e-grocery shops. They also provide the groundwork for future study in this area and further our understanding of digital commerce in the modern consumer landscape.

Keywords: online grocery, purchasing behavior, e-grocery industry, product selection, delivery services

INTRODUCTION :

India's e-commerce industry has grown significantly over the last 20 years due to rising internet connectivity and mobile phone use. The Indian e-commerce sector has seen a transformation due to the adoption of online payments and favourable demographics, which have changed the way firms interact with their customers. This change is most noticeable in the retail industry, where electronic retailing, or e-tailing, is taking the place of traditional brick and mortar establishments. With the growth of e-commerce, the grocery industry has seen a dramatic transformation that has affected customer tastes and behaviour. The attitudes, preferences, and decision-making processes associated with online grocery shopping are all included in the category of e-grocery buying behaviour. This has been largely shaped by the convenience provided by e-grocery platforms, which enable customers to order from home and receive doorstep delivery. The main factors affecting the purchasing behaviour of e-grocers are time efficiency, a vast array of options, mobile accessibility, security precautions, and incentives like loyalty programmes and discounts. Businesses must comprehend these characteristics in order to customise their tactics and improve the whole e-grocery buying experience as the sector changes to match customer wants.

REVIEW OF LITERATURE

1. **Amol Ranadive (2015)** conducted a survey to examine the degree of acceptability among Vadodara city's customers. It focuses on the elements that influence consumers' purchasing choices and intents to buy. The study's findings have confirmed that measuring consumers' behavioural intentions when they buy for goods online may be done using the Theory of Planned Behaviour (TPB) framework. The TPB model proposed by Ajzenis sufficiently supported empirically in this study's analysis of online shopping behaviour. As a result, the study shows how the TPB may be used to predict online buying behaviour, particularly for grocery shopping in the city of Vadodara, when combined with the other three factors.X

2. In his study, **Vijayasarathy (2004)** tested a model of consumer intention to utilise online shopping using a sample of 281 customers. The study discovered that while privacy was not a major predictor of attitude towards online buying, compatibility, utility, convenience of use, and security were. An further discovery indicated that self-efficacy, normative views, and attitude towards internet shopping all had a significant impact on the desire to utilise it.

3. The foundation of **Gulten Bozkurt's (2010)** study was a comparison of the consumer environmental traits of frequent online grocery consumers with those of in-store customers. It also targeted the differences in food purchasing behaviours between online and in-store shoppers. The study's findings demonstrated that there was no difference in the environmental factors that participants in physical and online stores experienced when they went grocery or food shopping.

4. Decision Neuroscience And Consumer Decision Making, **Carolyn Yoon, Richard Gonzalez, et al. (2012).** The authors of this study investigate how neuroscience may influence theories and models about consumer behaviour and decision-making in the future and propose that neuroscience may be used to decision-making. Furthermore, the study refutes the claim that neuroscience provides a more accurate

theoretical framework and experimental design by accounting for physiological context and the impact of concepts like hunger, stress, and social influence on consumer preferences and decision.

5. **Kalyani S. and Gomathi M. (2013)**. In Tamilnadu Erode District, there is awareness of organic food products and individual differences. The authors' study examines consumer knowledge of and preferences for organic food items. with the evolving tastes and interests of consumers as well as their growing purchasing power. Customers are more mindful of the food they eat and are more inclined to choose wholesome, safe, and environmentally responsible options. Customers that have a favourable attitude towards organic food products are more likely to make a purchase, as the authors point out.

6. Global Trends And Organic Food Product Purchasing Behaviour, **NetravathiVasudevaraju S, Sanjeev Padashetty (2013).** This study's primary goal is to gather information about the worldwide trends in the buying of organic food items. There is a growing awareness of the health advantages of eating organic food, and consumers firmly believe that it is healthier to choose organic than conventional food. Organic farming is getting more and more popular and is on the rise. Examining the primary factors that influence the decision to purchase organic food items is the primary goal of this study.

OBJECTIVES OF THE STUDY :

1. To identify the factors that influence consumers' decision to purchase groceries online.
2. To understand the benefits and drawbacks of e-grocery shopping from the consumer perspective.
3. To investigate the impact of the COVID-19 pandemic on online grocery shopping behaviour.
4. To examine the relationship between demographic, psychographic, and situational factors and e-grocery buying behaviour.
5. To identify the most commonly purchased products and categories of products in the e-grocery market.

RESEARCH METHODOLOGY

Research techniques may be used to solve problems in a methodical way. It's a scientific field that examines optimal research methodologies. In essence, research methodology refers to the methods that scientists employ to explain, predict, and characterise phenomena. It may also refer to the study of methods for acquiring knowledge. Its objective is to offer the research work schedule.

STUDY:

A thorough examination or enquiry, particularly via the pursuit of new information in any field of study, is called research. A researcher is someone who does thorough, critical investigation or analysis to find facts or principles and determine some of them.

DESIGN OF RESEARCH:

Research design is a basic framework that provides guidance for the whole research process. The research design lays out the protocols for data collection and analysis. As the study uses primary data, it is associated with descriptive research.

RESEARCH IN DESCRIPTION:

The purpose of descriptive research is to characterise the features of a population or phenomena under study. It tackles the "what" issue (i.e., what are the features of the population or situation being researched), rather than the how, when, or why the traits happened. Descriptive categories, another name for the category system, are typically employed to characterise the situation or people.

DATA GATHERING:

FIRST DATA:

Primary data sources are ones that need human labour to get and are not readily available. The primary source is the other type of source from which the data was obtained. Standardised questionnaires are used to collect first-hand data.

ACCESSORY SOURCES:

The other significant sources of the information are known as secondary sources. These are easily accessible data sources that don't require a lot of effort to obtain since the data has already been gathered and organised in an antiquated way by a few specialists and research professionals. Secondary data is gathered from journals, research papers, and internet sources.

TYPE SIZE:

The sample size is the total number of objects selected from the population that comprise the sample; the optimal sample size is one that meets the requirements of efficiency, flexibility, and reliability representatives. The study's respondents are selected using a straightforward random sampling process. The questionnaire was completed by 51 respondents.

STATISTICAL TOOLS:

CHI-SQUARE ANALYSIS:

A statistical approach for determining the significance of a difference between experimental data and theoretical values obtained under a theory or hypothesis was devised by Karl Pearson in 1900. The term "chi-squared test," also known as "chi-square" or "X 2 test," refers to any statistical hypothesis test in which, in the event that the null hypothesis is true, the sampling distribution of the test statistic is a chi-squared distribution, or in which this is asymptotically true, meaning that, if the null hypothesis is true, the sampling distribution can be made to approximate a chi-squared distribution as closely as desired by increasing the sample size.

ONE WAY ANNOVA:

The means of three or more independent (unrelated) groups are compared to see whether there are any significant differences using the one-way analysis of variance (ANOVA). This tutorial will provide you a quick overview of the one-way ANOVA, including its assumptions and its applications.

ONE-WAY ANOVA:

To determine whether there is a relationship between age and which online grocery shop a person prefers.

HYPOTHESIS:

NULL HYPOTHESIS (Ho): There is no discernible relationship between age and which online grocery store a person prefers.
ALTERNATE HYPOTHESIS (H1): There is a substantial correlation between age and preference for e-grocery stores.

TABLE 1SHOWING ONE WAY ANOVA FOR AGE AND THE E- GROCERY STORE DO THEY PREFER

ANOVA

AGE

	Sum of Squares	Df	Mean Square	F	Sig.
Between Groups	10.954	4	2.738	1.889	.128
Within Groups	68.123	47	1.449		
Total	79.077	51			

INFERENCE:

As the calculated value of (0.128) surpasses the significance threshold of (0.05), the null hypothesis is accepted. As a result, there is no discernible relationship between job stability and age.

CHI-SQUARE TEST:

To determine the correlation between the amount paid each month and the frequency of purchases

HYPOTHESIS:

HYPOTHESIS NULL (Ho): There is no correlation between regular purchases and monthly revenue.

ALTERNATE HYPOTHESIS (H1): Monthly income and frequent purchases are related.

TABLE 2SHOWING CHI-SQUARE TEST FOR MONTHLY SALARY AND FREQUENCY OF PURCHASE.

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	18.239[a]	16	.310
Likelihood Ratio	17.688	16	.343
Linear-by-Linear Association	3.259	1	.071
N of Valid Cases	52		

a. 22 cells (88.0%) have expected count less than 5. The minimum expected count is .02.

INFERENCE:

As the p-value (0.310) surpasses the significance level (0.05), the null hypothesis is deemed acceptable. Thus, there is no correlation between monthly income and how often you buy.

CONCLUSION :

In the e-grocery industry, customer happiness is crucial and is mostly determined by convenience and quality. E-grocery platforms must identify customer preferences in order to make constant improvements to their services. This means placing a high premium on accurate product information, smartphone optimisation, and a user-friendly interface. While real-time inventory management, various delivery options, and transparent pricing all contribute to frictionless shopping experiences, transparent pricing also helps to build confidence. In order to promptly address issues and implement proposals for improvement, platforms should aggressively solicit and address user input. Maintaining transparency may be achieved via implementing review mechanisms and emphasising timely customer service. In the end, e-grocery companies must consistently exceed and delight their customers in order to foster word-of-mouth marketing, foster loyalty, and sustain development in the fiercely competitive online grocery sector.

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