

ANALYSIS ON FOOD PROBLEM OF HOSTELER STUDENTS

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Abstract: Meals have always been a concern for students living in dormitories. Whether it's a boarding school or college's students find it difficult to adapt to the conditions. Especially the soaring prices of meals perturb the students who are facing problems already with their tuitions. The poor quality of a food causes health concern like food poison, upset stomach etc. that agitates scholars. Therefore we need to come up with a system that caters all these problems. This paper will focus on the following issues and come up with a solution to solve these obstacles. Here we are going to use online food delivery services as well to ease the daily crisis faced by students.

Index Terms - Component, formatting, style, styling, insert.

I. INTRODUCTION

Food is any nourishing substance that is eaten, drunk, otherwise taken into the body to provide energy, promote growth. Almost, all substance consist of all the nutrients such as proteins, carbohydrates, fats and vitamins or minerals that are used in the body of an organism to sustain and furnish energy. Food fulfill not only psychological requirements to sustain a life but psychological needs for refreshment and joy.

There are no problems faced by students residing in a dormitories. As their common problem is food since food is very essential for living good and healthy food is must. Especially when student live away from their homes and miss home-made delicious food. So, to propose a solution for above problem, proposal idea which works with a data visualization and android app. The data visualization is the graphical representation of information or data by using visual techniques like chart, graphs and maps. Data visualization provides an accessible way to see and understand the outliers and pattern in the data.

This paper will focused on finding the solution of above problem in a constructive way.

LITERATURE SURVEY

1) Mahami, T. and Odonkor, S.T states that because of false food provided to the students and flaws in their hostels. That may have very bad impact on student's health.

To control the food-borne illness. Young generations are noticed at a high impact of food borne diseases. The objective of study Was to identify wrong food safety practices of students who are staying in hostels. Self-catering proficiency and flaws in their hostels that may leads to suffer students from food borne illness.

A statistical package for the social sciences (SPSS) was used to analyze the data. So his overall analysis on hygienic food facilities to all the students who are staying in hostels outside the house without their parents. Health is important factor in life.

2) Barik, S. and Paul, K.K. states that Kitchen food waste provides serious environmental pollution including its manipulation and disposal problems.in this paper an initiative has been taken to characterize food waste and identify possible reuse and disposal techniques. Food waste sample were collected by girls hostel. Now days main worldwide problem due to industrialization and urbanization is solid waste generation.in the world about 1.3 billion metric tons of municipal solid waste is generated. Food waste is part of solid waste obtained from hostels, canteens, residential societies.

8) Katayama, N., Ueno, H., Aoki, C, States that solution for when lifestyle diseases becomes a problem thus stated the solution that making menu with low GI food. to decrease the food wastage and make them interesting to eat the solution is concluded that joyful and healthy recipe with substances which can be produce by the bio-regenerative agricultural method. This explained unfolding the quality of life hence to have combination of low GI food to get more good balance nutrition not only for obesity people but also for healthy people.

Dataset Description:-

Data is collected by doing a real time survey by using Google forms for the people who are facing the food related problem in day-to-day life. The data is collected from the hostilities students and the people who stay far from their hometown and crave homemade delicacies. This dataset is consists of 210 observations. The time period the data collection is of three months. In this dataset , questions(attributes) have been asked liked people have transport issue or not, their profession, their preference of outside food, expenses they required for their one day meal, how many times they order outside food, which food delivery app they like most to order food online.

B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	T	U	V	W	X
City_you	Area_of_your_city	Profession	Do_you	Is_there	If_yes_th	Do_you	Do_y	From_where_you_order	th	Would_yo	Why_do_y	How_many	If_yes_th	Expenses_rei	When_you_shop	for_food	what_do_you	consider	important
Pune	Nimbalkar nagar	Bachelor	Yes	Yes	0 - 1 Km	No	Yes	Zomato		Yes	Having san	Two	Non-veg n	100 to 200 R					The quality of the ingredients
Pune	Lohegaon	Hostelite	Yes	Yes	2 - 5 Km	Yes	Yes	Swiggy		Yes	Bored witf	Three	Fast food/100 to 200 R						The quality of the ingredients
Pune	Lohegaon	Hostelite	Yes	Yes	2 - 5 Km	Yes	Yes	Swiggy		Yes	Bored witf	Two	Fast food/100 to 200 R						The quality of the ingredients
Pune	Lohegaon	Hostelite	Yes	Yes	0 - 1 Km	Yes	Yes	Swiggy		Yes	Bored witf	Four and mx	Veg meal	200 to 300 R					The quality of the ingredients
Pune	Lohegaon	Hostelite	Yes	Yes	0 - 1 Km	No	Yes	Uber eats		Yes	For changi	Four and mx	Fast food/100 to 200 R						The quality of the ingredients
Pune	Pune	Bachelor	Yes	Yes	2 - 5 Km	No	Yes	Swiggy,Zomato;Uber eats		Yes	For changi	One	Fast food/200 to 300 R						The quality of the ingredients
Pune	Lohegaon	Hostelite	Yes	Yes	0 - 1 Km	Yes	Yes	Swiggy		Yes	For changi	Four and mx	Fast food/100 to 200 R						The quality of the ingredients
Mumbai	Thane	House wif	Yes	Yes	2 - 5 Km	Yes	No	Food panda		Yes	For changi	Two	Fast food/More than 3l						The quality of the ingredients
Mumbai	Vishrantwadi	Bachelor	Yes	Yes	0 - 1 Km	Yes	Yes	Food panda;Swiggy;Zomato		Yes	For changi	Four and mx	Fast food/100 to 200 R						The quality of the ingredients
Mumbai	Ordnance factory	Hostelite	Yes	Yes	0 - 1 Km	Yes	No	Food panda;Swiggy		Yes	For changi	One	Pav bhaji	100 to 200 R					Saving Money
Buldana	Karanja chawk	Bachelor	Yes	Yes	0 - 1 Km	No	Yes	Zomato		Yes	Bored witf	Two	Veg meal	50 to 100 Rs					The quality of the ingredients
Pune	Dighi	Living with	Yes	Yes	0 - 1 Km	No	No	Zomato		Yes	For changi	One	Fast food/100 to 200 R						The quality of the ingredients
Buldhana	Ekta nagar	Day scholc	Yes	Yes	0 - 1 Km	No	No	No ever		No	I didn't pre	0 times	Veg meal	100 to 200 R					Origin of food
Rajkot	150 ft. Road	Bachelor	Yes	Yes	2 - 5 Km	Yes	No	Swiggy,Zomato;Uber eats		Yes	Having san	Four and mx	Fast food/100 to 200 R						Convenience/ease of purchase
Pune	Pune	Bachelor	Yes	Yes	5 - 10 Km	Yes	No	Uber eats		Yes	For changi	Four and mx	Non-veg n	More than 3l					The quality of the ingredients
Muzaffarpur	Muzaffarpur	Hostelite	Yes	Yes	2 - 5 Km	Yes	Yes	Swiggy,Zomato		No	For changi	Three	Veg meal	50 to 100 Rs					Convenience/ease of purchase
Pune	Chandnagar	Bachelor	Yes	Yes	0 - 1 Km	Yes	No	Uber eats		Yes	For changi	Three	Non-veg n	More than 3l					The quality of the ingredients
Pune	Lohegaon	Bachelor	Yes	Yes	2 - 5 Km	Yes	Yes	Swiggy		Yes	For changi	Two	Veg meal	100 to 200 R					The quality of the ingredients
Pune	pradhikaran	Bachelor	Yes	Yes	2 - 5 Km	No	No	i dont order		Yes	For changi	Two	Non-veg n	More than 3l					proteins and fiber
Hyderabad	Boduppal	Hostelite	Yes	Yes	5 - 10 Km	No	Yes	Zomato		Yes	For changi	Two	Fast food/50 to 100 Rs						Convenience/ease of purchase
Ambarnat	Kalyan	Bachelor	Yes	Yes	2 - 5 Km	No	No	Swiggy		No	For changi	One	Veg meal	100 to 200 R					Saving Money
Pune	Chinchwad	Day scholc	Yes	Yes	0 - 1 Km	No	No	Swiggy		No	Having san	One	Non-veg n	100 to 200 R					Origin of food
Pune	Lohegaon	Hostelite	Yes	Yes	2 - 5 Km	Yes	Yes	Swiggy;Zomato		Yes	For changi	Three	Fast food/100 to 200 R						The quality of the ingredients
Pune	Vishrantwadi	Hostelite	Yes	Yes	2 - 5 Km	No	Yes	Swiggy		Yes	Bored witf	Four and mx	Fast food/100 to 200 R						The quality of the ingredients
Pune	Dighgaon	Bachelor	Yes	Yes	2 - 5 Km	Yes	No	Swiggy;Zomato		Yes	Having san	Two	Non-veg n	200 to 300 R					Convenience/ease of purchase
Pune	Nigdi	Student	Yes	Yes	0 - 1 Km	Yes	Yes	Dominos		No	For changi	Three	Veg meal	50 to 100 Rs					The quality of the ingredients
Nagpur	Budhwar bajar	Hostelite	Yes	No	No	Yes	No	Zomato		Yes	Bored witf	One	Non-veg n	50 to 100 Rs					Convenience/ease of purchase
Pune	Lohegaon	Bachelor	Yes	Yes	2 - 5 Km	Yes	Yes	Swiggy		Yes	For changi	Four and mx	Fast food/100 to 200 R						The quality of the ingredients
Pune	Dhanori	Bachelor	Yes	Yes	2 - 5 Km	Yes	Yes	Swiggy		Yes	Having san	Two	Fast food/100 to 200 R						Saving Money

Fig 1

Data visualization:

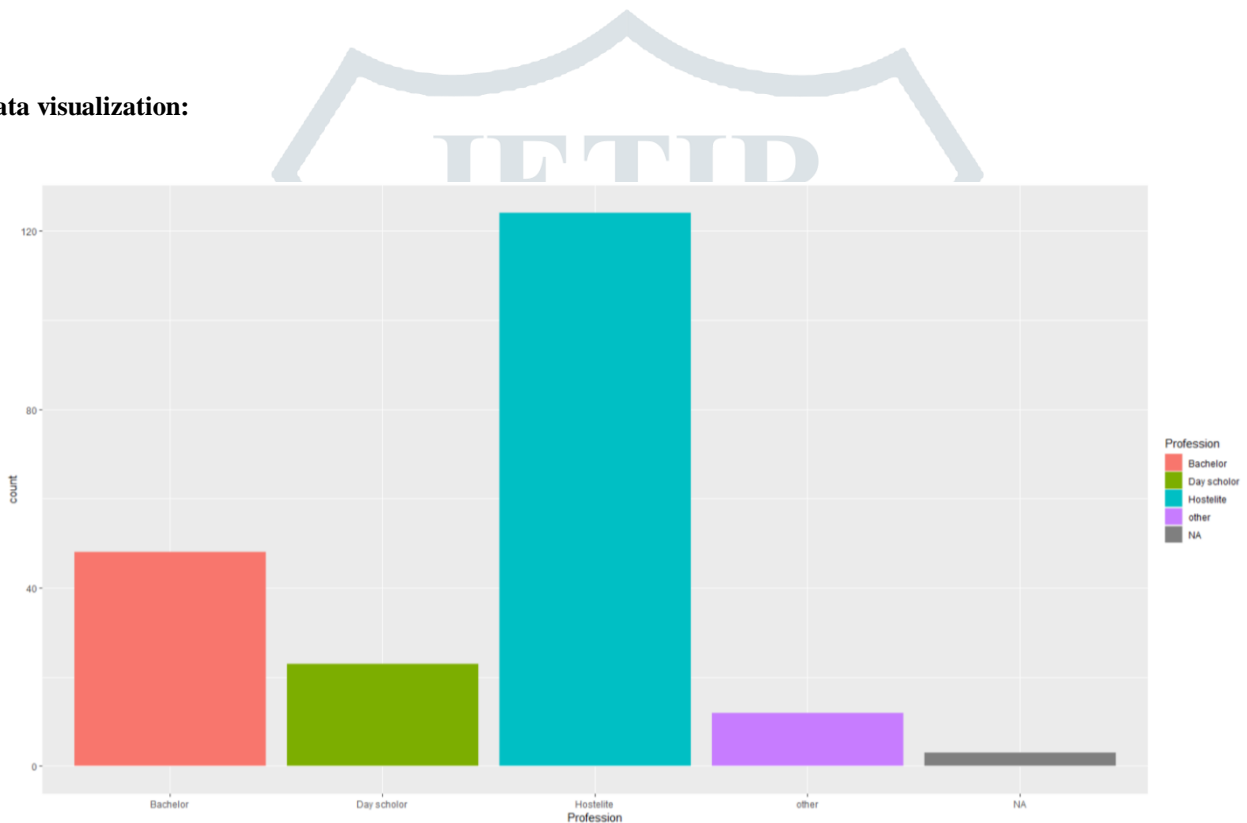


Fig 2.

In this Bar graph description of people’s profession have been done on the scale of count. Where the observation says that majority of the professions are hostelites as compare to the other professions.

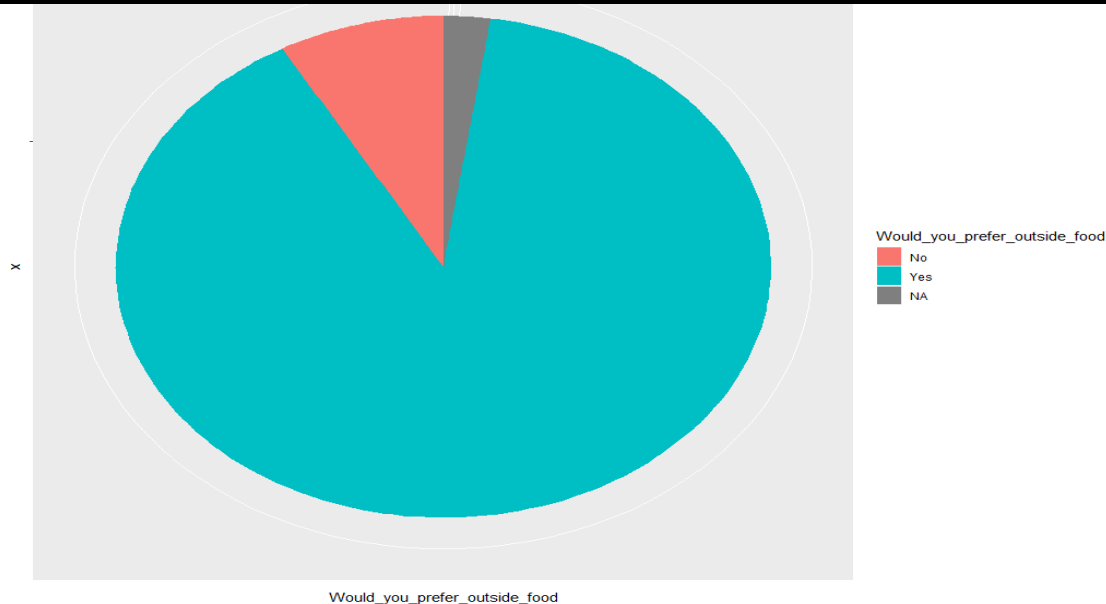


Fig 3.

In this pie chart it has observed that how many people prefer outside food as their meal. Analysis says that approximately 70% of people prefer outside food and 20% of people prefer home food and remaining 10% are not applicable.

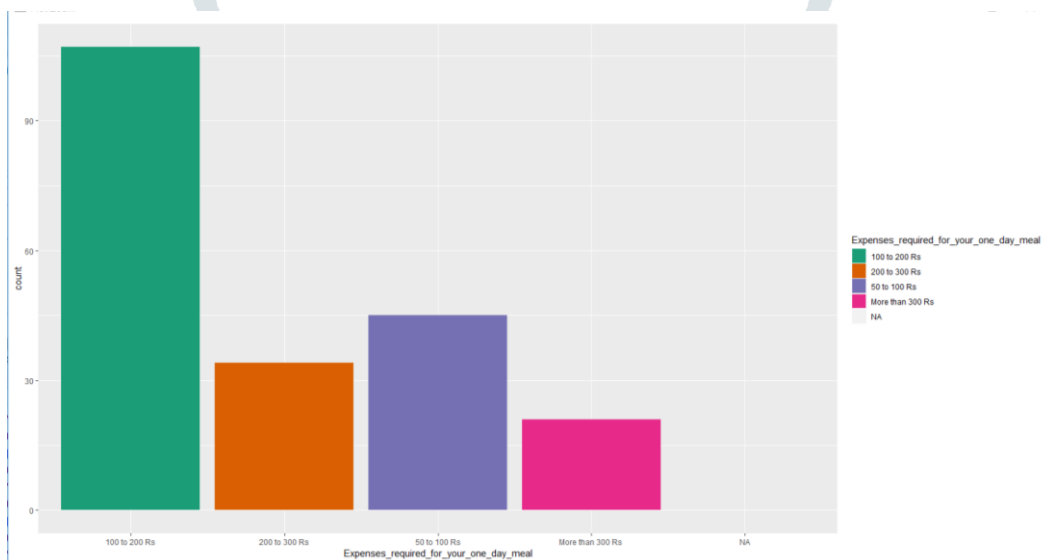


Fig 4.

In this histogram, expenses of people have been shown. The observation says that people can afford 100-200rs for their one day meal.

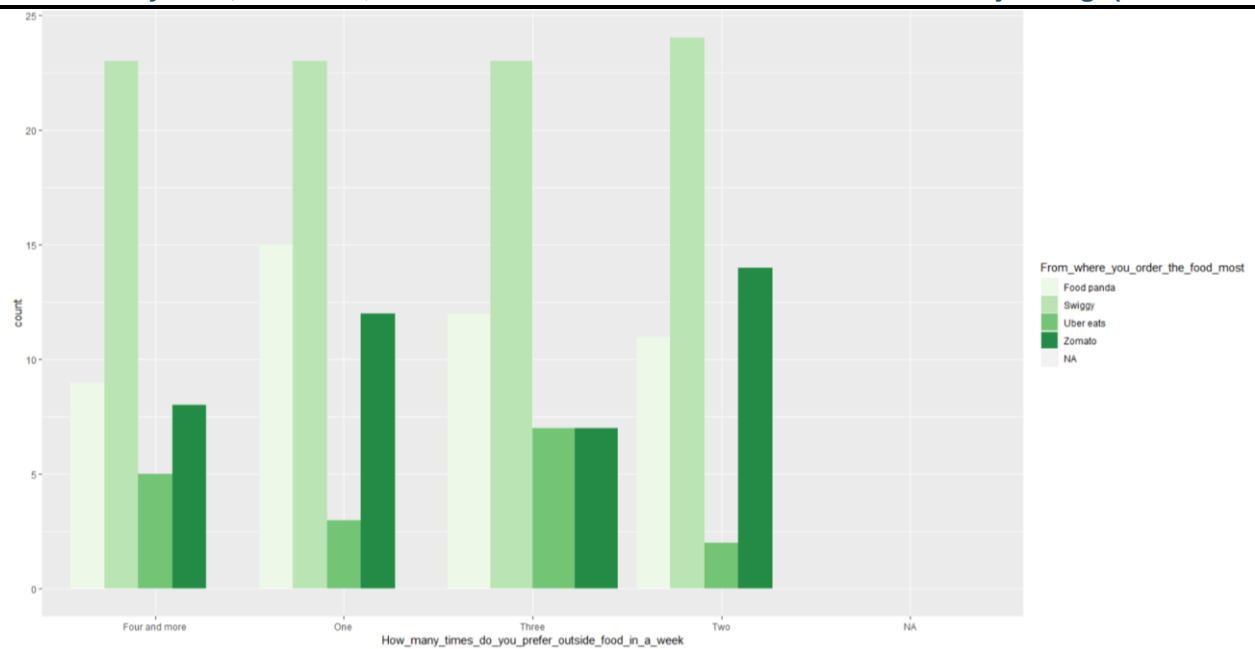


Fig 5.

In this grouping bar, two attributes have been taken together for observation that of online food app and how many time people order online food. so here observations says that mostly people ordered outside food only as they are facing problem of food and transport.

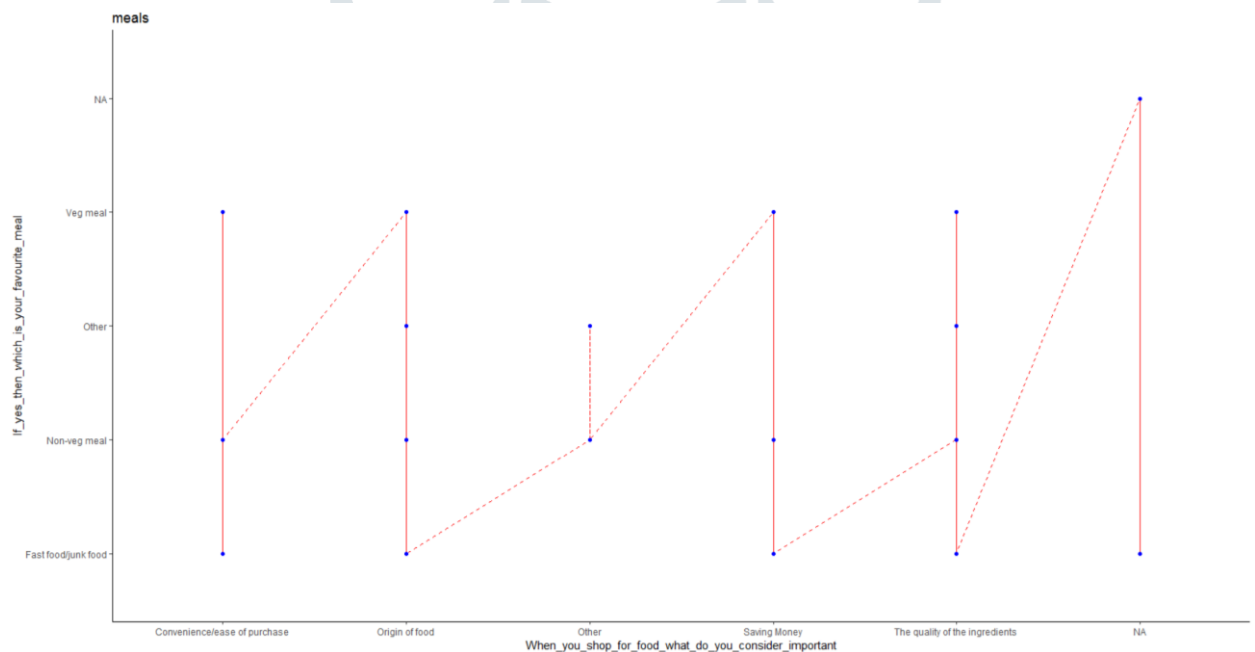


Fig 6.

In this line chart, it observes that favorite food of people they like to eat according to their convenience, and also the quality, quantity, expenses of the food.

PROPOSED SYSTEM:

As in this research paper previously explain that food is a major problem for the people who are residing in the hostel and also away from home for their work and studies. Basically food is any nourishing substance that can eaten, drunk otherwise taken into the body to provide energy, promote growth. Because of unavailability of food, these people are facing lot of problem in their daily living. so to get rid of these problem. The proposed solution which will work with data visualization and android app. as people use mobile every day to order food .by analyzing the visualize data and identifying the food preferences and problems. The solution is to make food available in easy way by giving discount on online food which people order every day from various food delivery apps. These will make their problem solve and also the transport issue which they are facing .by getting delivery of food on their home step. Ordering food will consume their time of making food in hostel and also save money by getting discount on food which they prefer for meal as per their convenience.

CONCLUSION:

The food safety is an important problem needs to be advanced very soon possible, people are wishing to trustable and eat more clean food. Health is always cruciate everyone offering clean food to everyone is the first basic thing for everyone in the world. Preventing people from food borne diseases is the most important thing needs to be done. Nowadays, technology has already been able to solve these problem. As conclude in this research that food is major problem and have bad impact on the people who stay away from home. To remove this problem technology has been developed for those people, so it will consume their time and money also by getting discount on food .by this, it states food is one of major part of every human's life.

References: -

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