

Team Presentation

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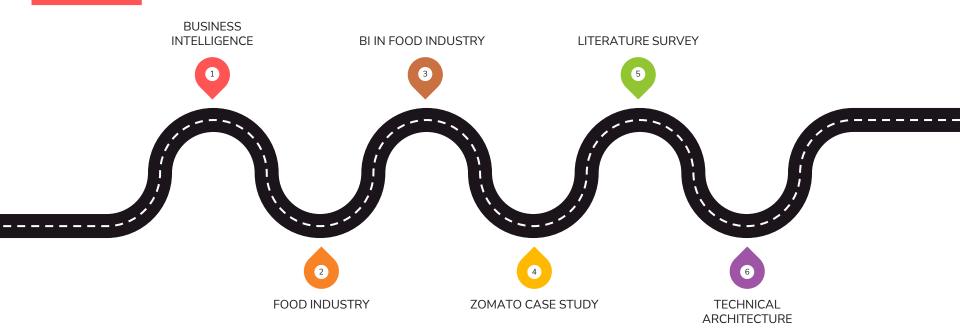
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- Analysis of food sales
- Abstract
- BI Life Cycle
- Literature survey
- Implementation using Tableau
- Technical Architecture
- Conclusion

Roadmap





BI(Business Intelligence) is a set of processes, architectures, and technologies that convert raw data into meaningful information that drives profitable business actions.

BI tools perform data analysis and create reports, summaries, dashboards, maps, graphs, and charts to provide users with detailed intelligence about the nature of the business.

BI helps companies make smarter and makes data driven decisions.

It analyzes the customer behavior and identify the ways to increase the food sales.



Online food ordering is the process of ordering food, for delivery or pickup, from a website or other application. The product can be either ready-to-eat food (e.g., direct from a home-kitchen, restaurant, or a ghost kitchen) or food that has not been specially prepared for direction consumption (e.g., vegetables direct from a farm/garden, fruits, frozen meats. etc.).

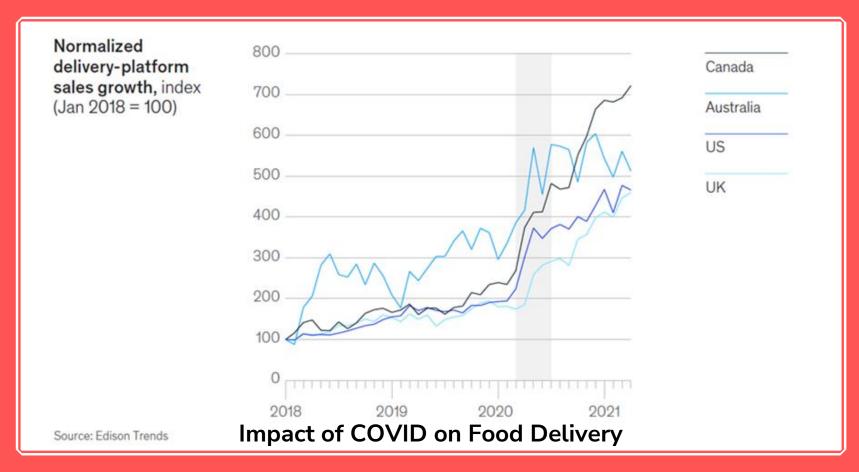
The major food delivery platforms are Zomato, Swiggy, Uber Eats

WHY BI HERE?

Using the past data we should predict the user's interest of their future purchase.

By the Customer's Feedback, we can constantly improve the quality of food delivery and eventually improve the rating of the application

And studies have proved that companies(like uber eats, food panda) used BI and got efficient results became successful in the market.



CHALLENGES FACED

- Shifting customer preferences
- Unstable market prices
- Improper food handling
- Finding appropriate advertisements
- Reaching customer expectations
- Difficult to engage and retain customers

ABSTRACT

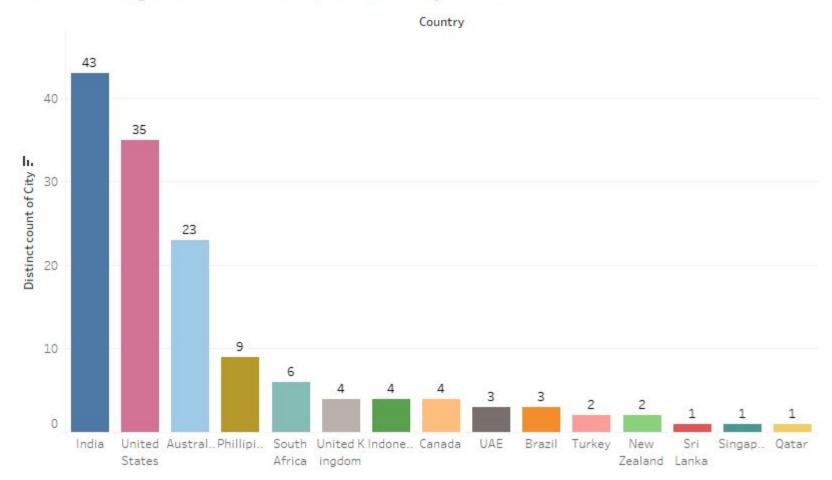
In our day-to-day life food is the most important thing and to experience tasty food we used to go to restaurants and have the experience, but with increased amount of work life and laziness eventually online food delivery companies arised.

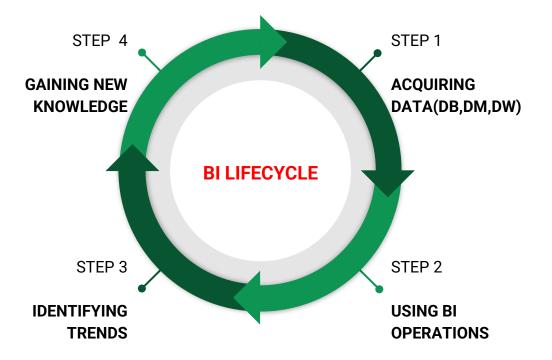
These companies are using BI in order to get to know about their customers and during covid times as everyone were locked in homes it was the perfect time for these companies to boost their economy. Different companies implemented different strategies using BI to get profits.

REAL-TIME Applications



India Has Largest # Restaurants, so will Analyse India







Data Acquisition:

There are four methods of acquiring data:

- 1. collecting new data
- 2. converting/transforming legacy data
- 3. sharing/exchanging data
- 4. purchasing data

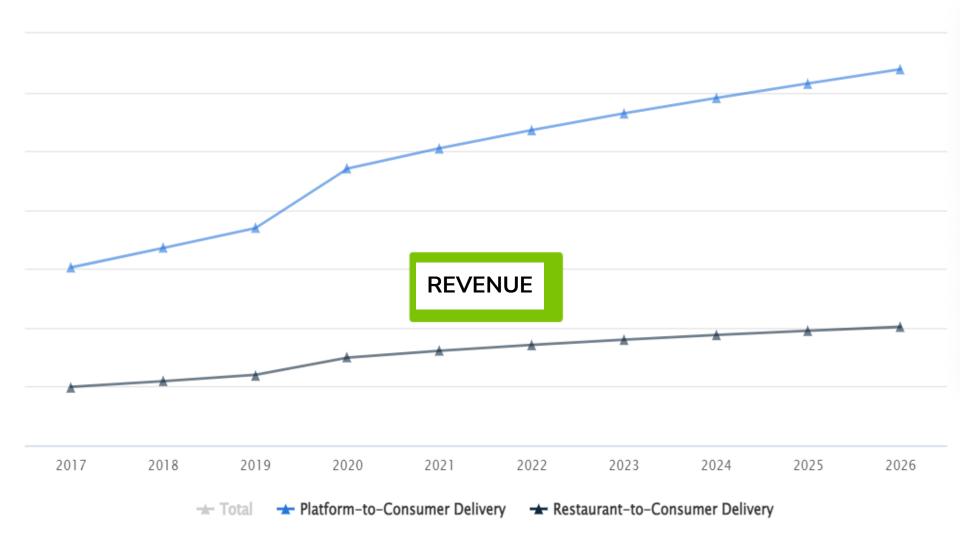


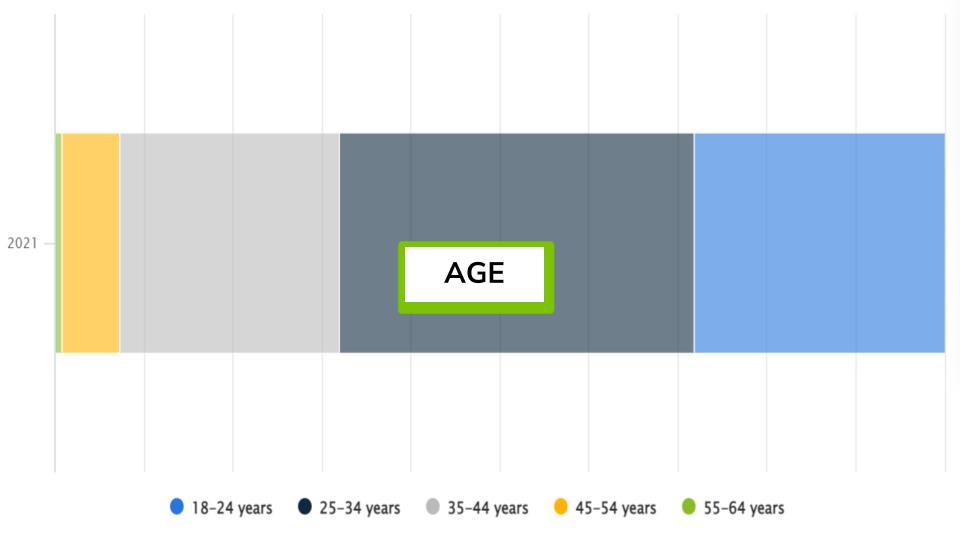
Applying BI operations:

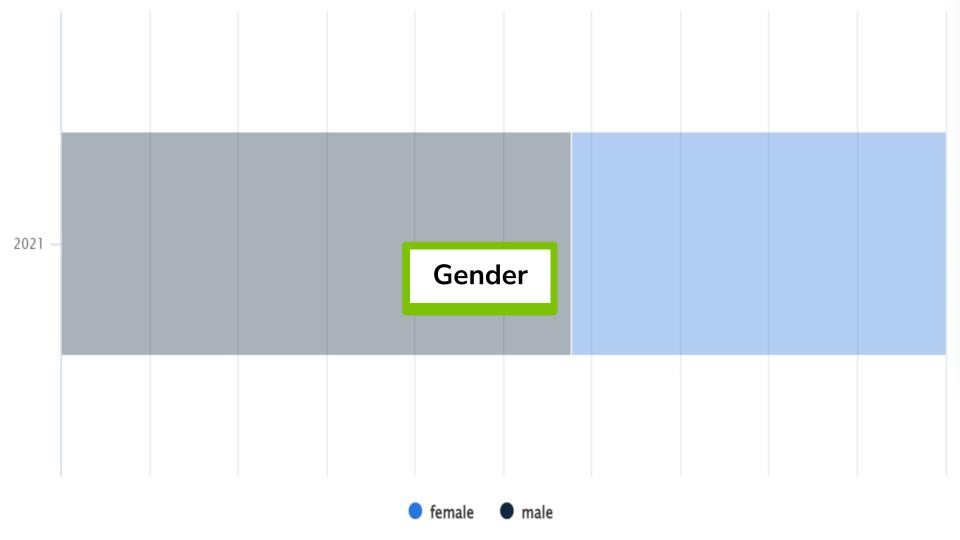
We apply BI operations to find the customers food interests, recommendations according to the wishlist and previous purchase history of the customer.

Identifying Trends

(India)

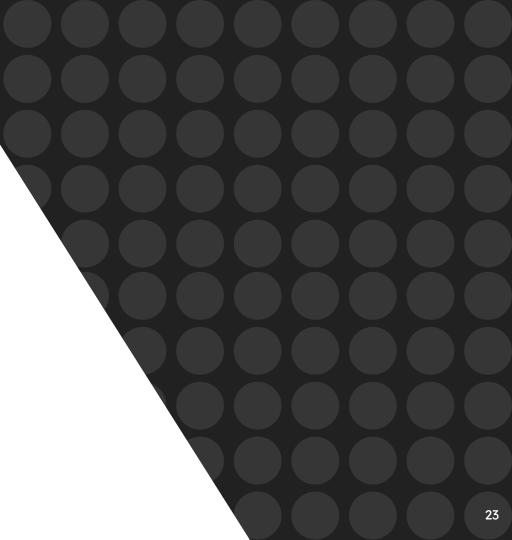






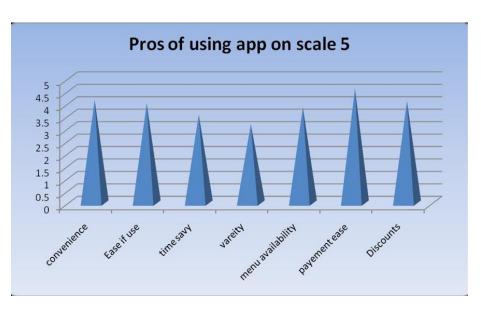
North Indian	Chinese		North Indian, Mughlai, Chinese		Bakery, Desserts		253	Street Food	
	North Indian, M	ughlai	Pizza, Fast Food	Chin Fast Food	93	Mitha Stree Food	830	South Indian	
TYPES OF CUISI	NES								
MOSTLY ORDERE BY INDIANS	D		Bakery, Fast Food	t	Ice Crea		ce	North	
			Chinese, No	rth					
Fast Food	Bakery		100000000000000000000000000000000000000		Mit	Mithai		North	
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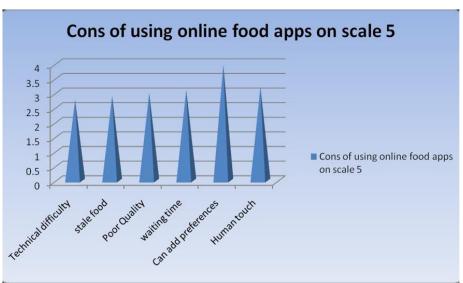
Literature Survey





Title	Publishing Details	Findings
ONLINE FOOD ORDERING SYSTEM	Research Gate Article in SSRN Electronic Journal December 2018	 → Various issues related to Mess/Tiffin Service will be solved by these system. → This system will allow hotels and restaurants to increase online food ordering business. The customers can select food menu items just few minutes. → It provides efficiency for the restaurant by reducing time consuming, minimize human errors or delivery and providing good quality.





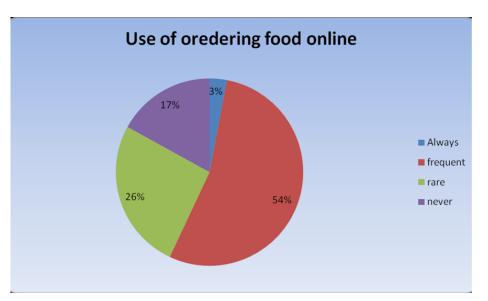


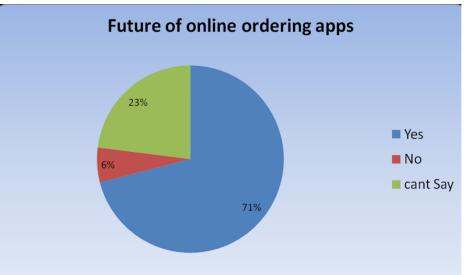
Title	Publishing Details	Findings
An Analysis of Online Food Ordering Applications in India: Zomato and Swiggy	IEEE Journal April 2019	 → There is no human intervention involved which gives it more privacy. Apps are having number of restaurant, chefs kitchens listed with their menu specifically. So the consumers need not to carry pamphlets and menu list for further orders. → The feature that attracts consumers the most is Doorstep Delivery at any place at anytime. → Consumers are mostly motivated when they receive any Rewards & Cashbacks followed by loyalty points or benefits.



Publishing Details Title Findings Apps can be directly downloaded which Trend in **IEEE** Journal give them more accessibility, Creating **Ordering Food** profile on apps includes their address and payment information. using May 2018 **Smartphones** → Apps are having different modes of payment like credit cards, debit cards and pay on delivery. The use of smartphone mobile interface for consumers to view order and live location. has helped the restaurants in delivering orders from consumers immediately. The increase in uses of smartphones and computers are giving platform for service industry.

71% people believes that future of online food is bright.







Title	Publishing Details	Findings
An Optimization Framework for On-Demand	IEEE journal	→ The success of an on-demand meal delivery business depends on the cost- effectiveness, speedy, and timely delivery of orders.
Meal Delivery System	June 23, 2021	→ An online food ordering system involves the primary challenge of delivering food in a shorter time but at minimal delivery cost. This situation calls for a trade-off between the CX(customer experience) and the CPD(cost per delivery).
		 → The goal of CPD reduction comprises two primary challenges: (i) First-Mile (FM) delivery challenge (ii) Last-Mile (LM) delivery challenge.



Title	Publishing Details	Findings
POPULARITY OF ONLINE FOOD ORDERING AND DELIVERY SERVICES-A COMPARATIVE STUDY BETWEEN ZOMATO, SWIGGY AND UBER EATS IN LUDHIANA	IEEE Journal 03 may 2020	 → This paper aims to stud the day perception of customer ordering food through online food delivery apps via zomato, swiggy and uber eats. → Online strategies are based on online marketing which suits demands at today customers. → This paper concludes that zomato has most active online food delivery service valing maximum promotional offers in terms of discount and supportive customer care.

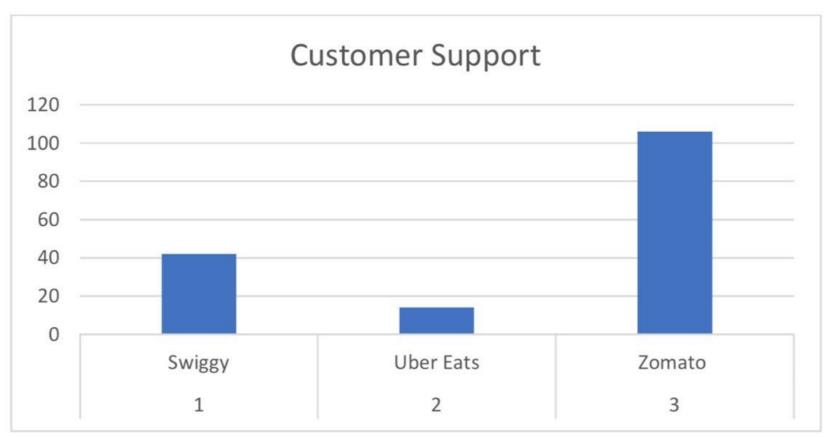
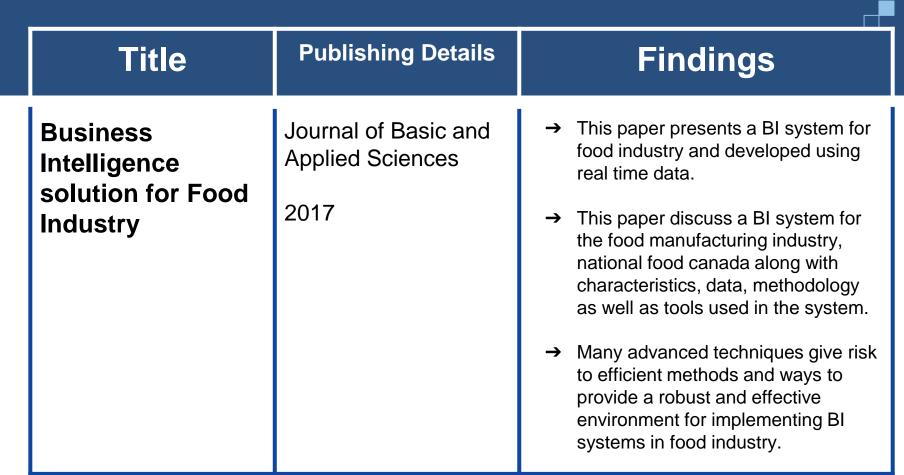
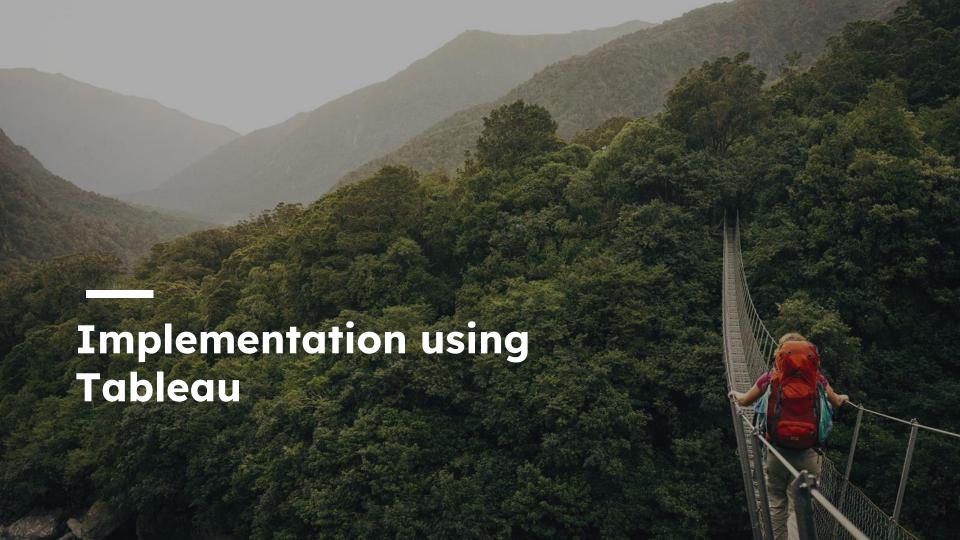


Figure 1.4

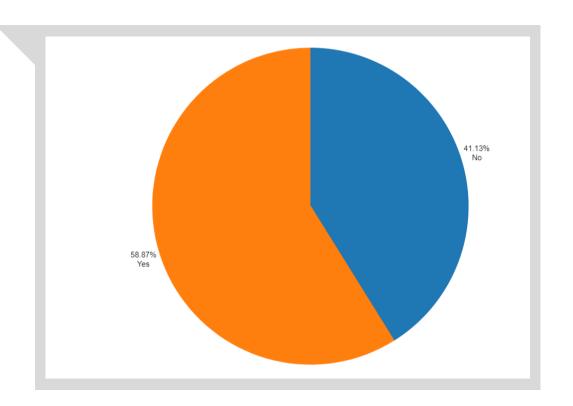


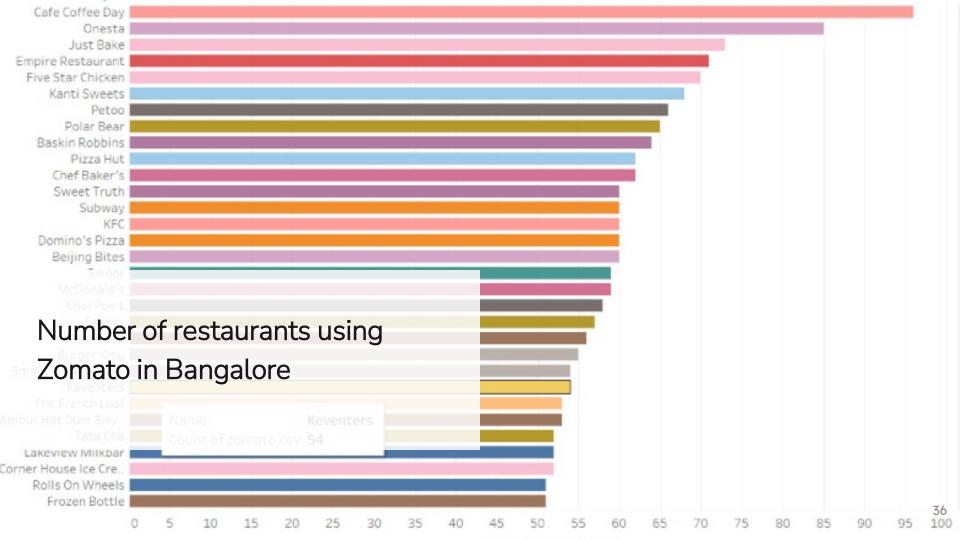
	Title	Publishing Details	Findings
 	Impact of Business Intelligence on Business Performance of Food Delivery Platforms in Sri Lanka	Global Journal of Management and Business Research 2000	 → The purpose of this research is to determine if BI has an impact on the business performance of food delivery platform in sri lanka. → The study shows the success actors on the BI has a significant impact on the BI of FCP evident in the results from the employee perspective. → The future study can also be conducted on methods that are used in tech companies for instance, for technologies, for sentiment analysis etc.

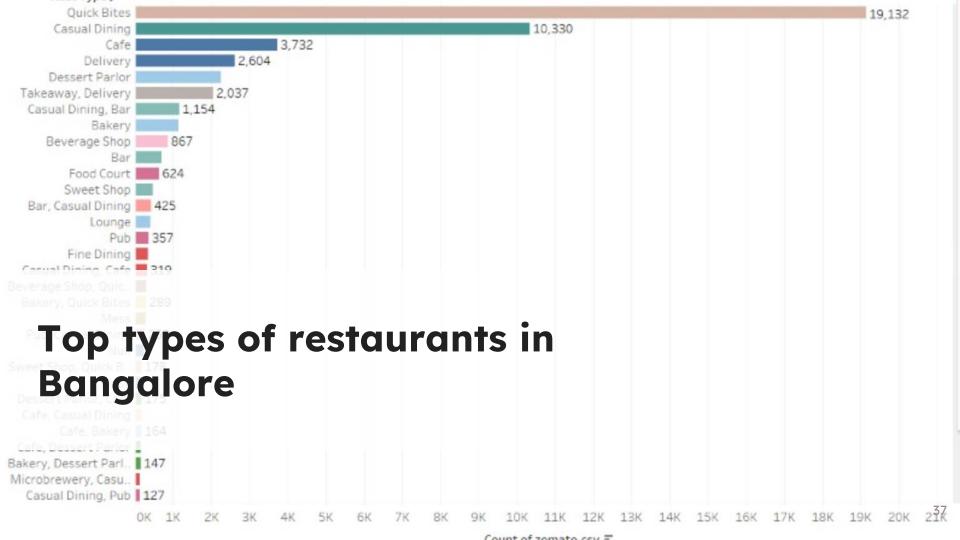




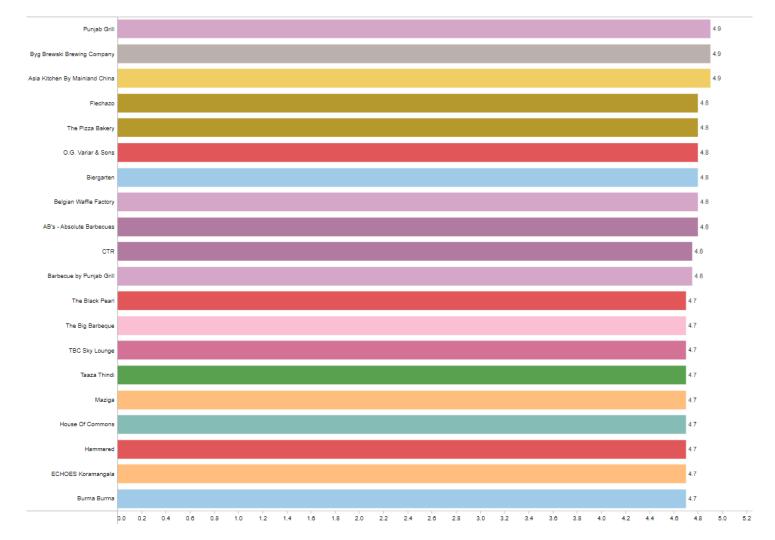
Percentage of restaurants in Bangalore accepting Zomato orders



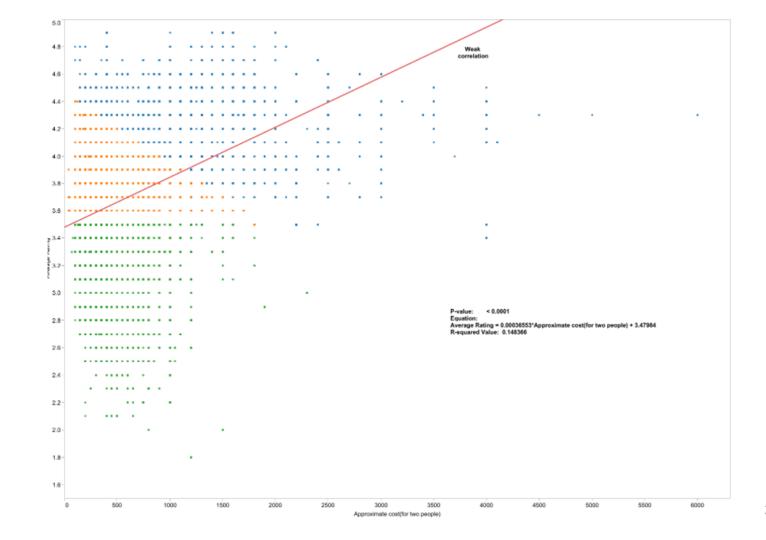




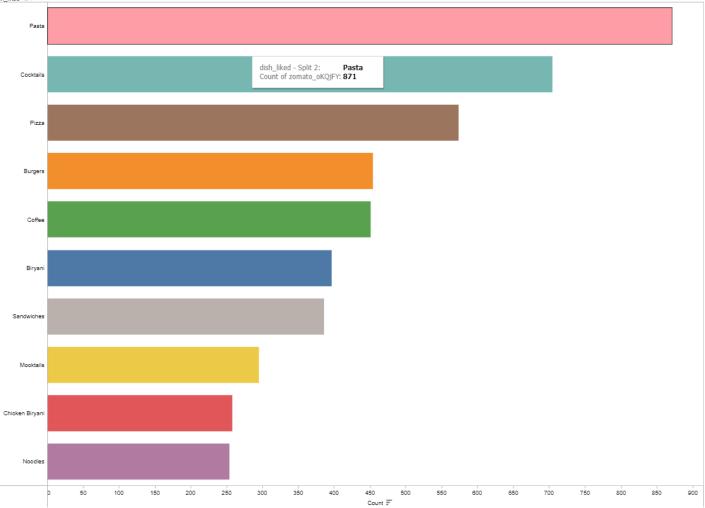
Top Rated restaurants Bangalore

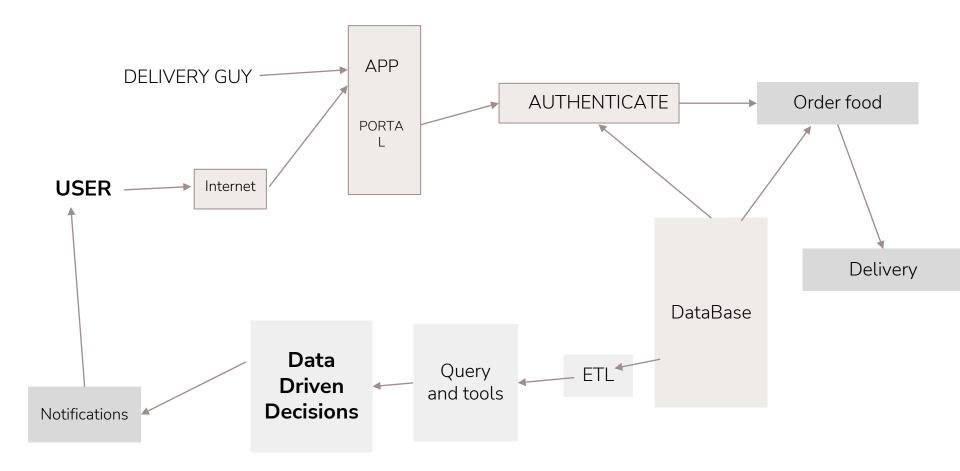


ratings and Correlation between



----Pasta Cocktails Pizza Food items mostly liked by Bangaloreans Burgers Coffee Biryani Sandwiches Mocktails Chicken Biryani Noodles





Technical Architecture

Conclusion

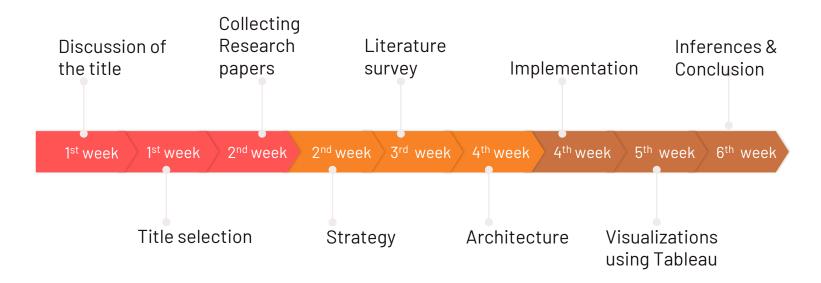
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Using BI applications companies can use the data in a very efficient way to improve in business.

Using BI companies can personalize the suggestions based on customer's previous order which can benefit both customers and users.

Data driven with BI has proved that online food delivery system will be ruling the world over the normal traditional in the coming the future.

Timeline



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