EMSE 6586

Zomato

Exploring the World of Zomato Restaurants: A Data Analysis

TEAM INTRODUCTION

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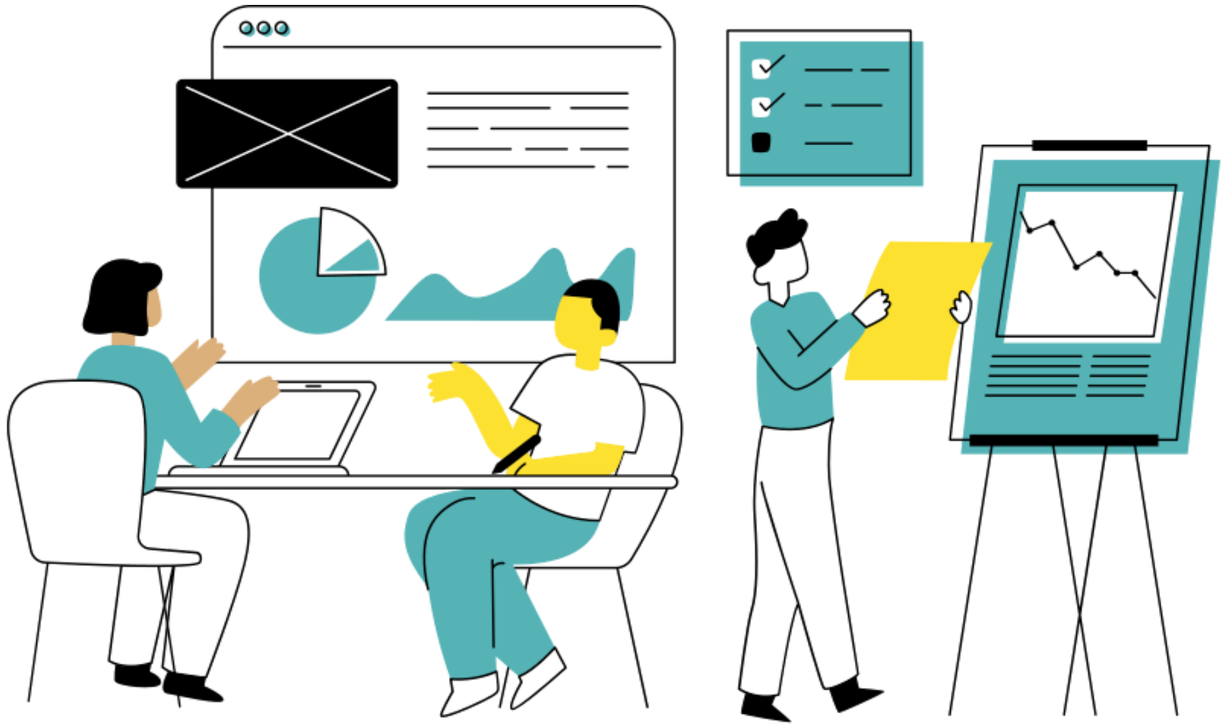
INTRODUCTION



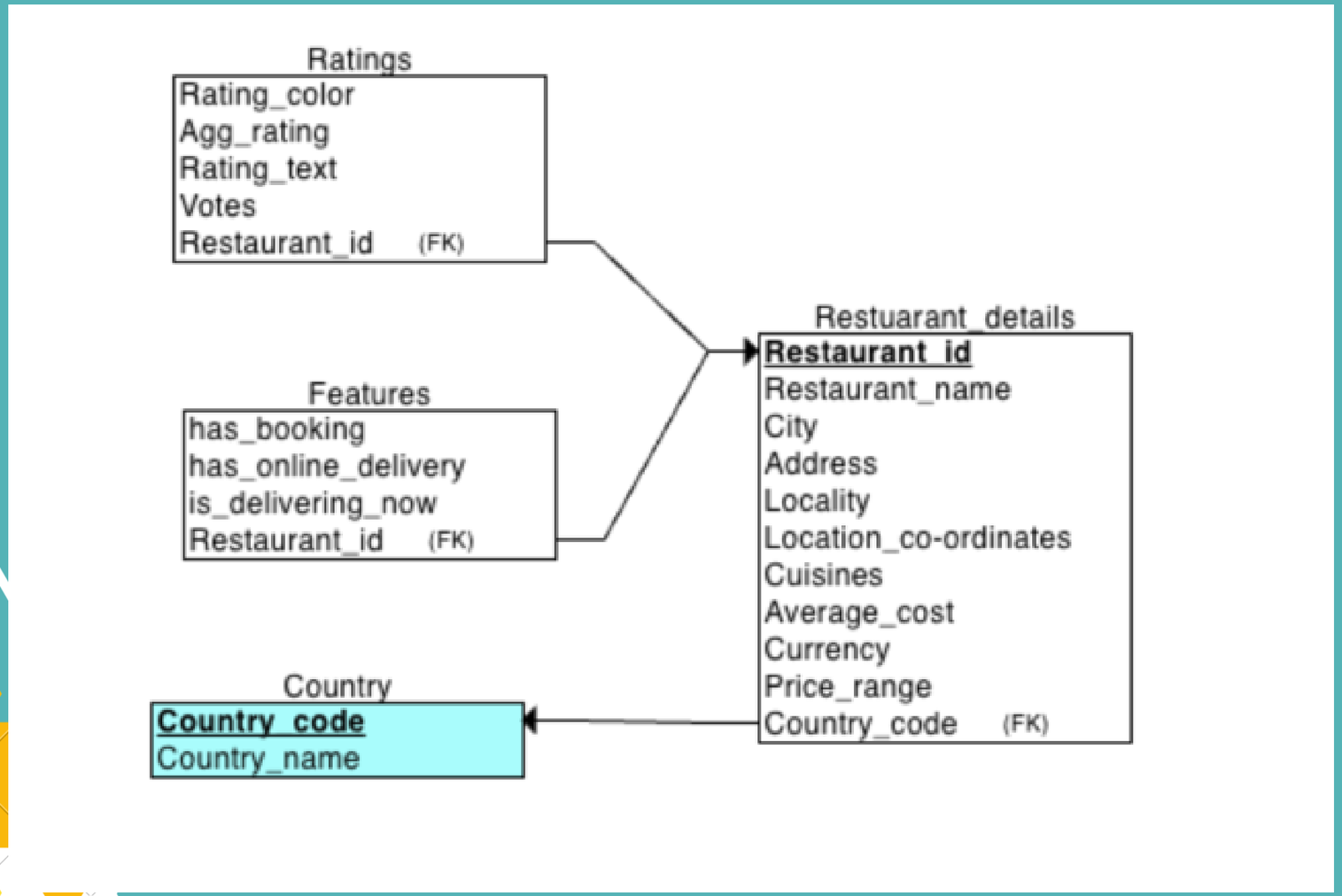
Zomato is one of the most popular online platforms for finding and ordering food from restaurants in various cities around the world.

- We conducted an analysis of this dataset to uncover some interesting insights and trends related to the restaurant industry.
- Our aim is to provide you with a comprehensive overview of the dataset and share the findings that we have discovered.

OBJECTIVES

- To analyze the distribution of restaurants across different countries.
- To identify the most popular cuisines and restaurants in each country.
- To visualize the impact of the restaurant features on its ratings.
- To locate the cities that contain the most expensive restaurants in the country.
- To provide the information of Top-rated restaurants.

SCHEMA


Ratings
Rating_color
Agg_rating
Rating_text
Votes
Restaurant_id (FK)
Features
has_booking
has_online_delivery
is_delivering_now
Restaurant_id (FK)
Restuarant_details
Restaurant_id
Restaurant_name
City
Address
Locality
Location_co-ordinates
Cuisines
Average_cost
Currency
Price_range
Country_code (FK)
Country
Country_code
Country_name

Detailed Overview

We analyzed the Zomato restaurants dataset, using attributes such as restaurant names, locations, cuisines, average costs, ratings, and customer reviews. The dataset was imported into a MySQL database and we used SQL queries to perform transformation, and data analysis.

01

Step 1

Download the data set.

02

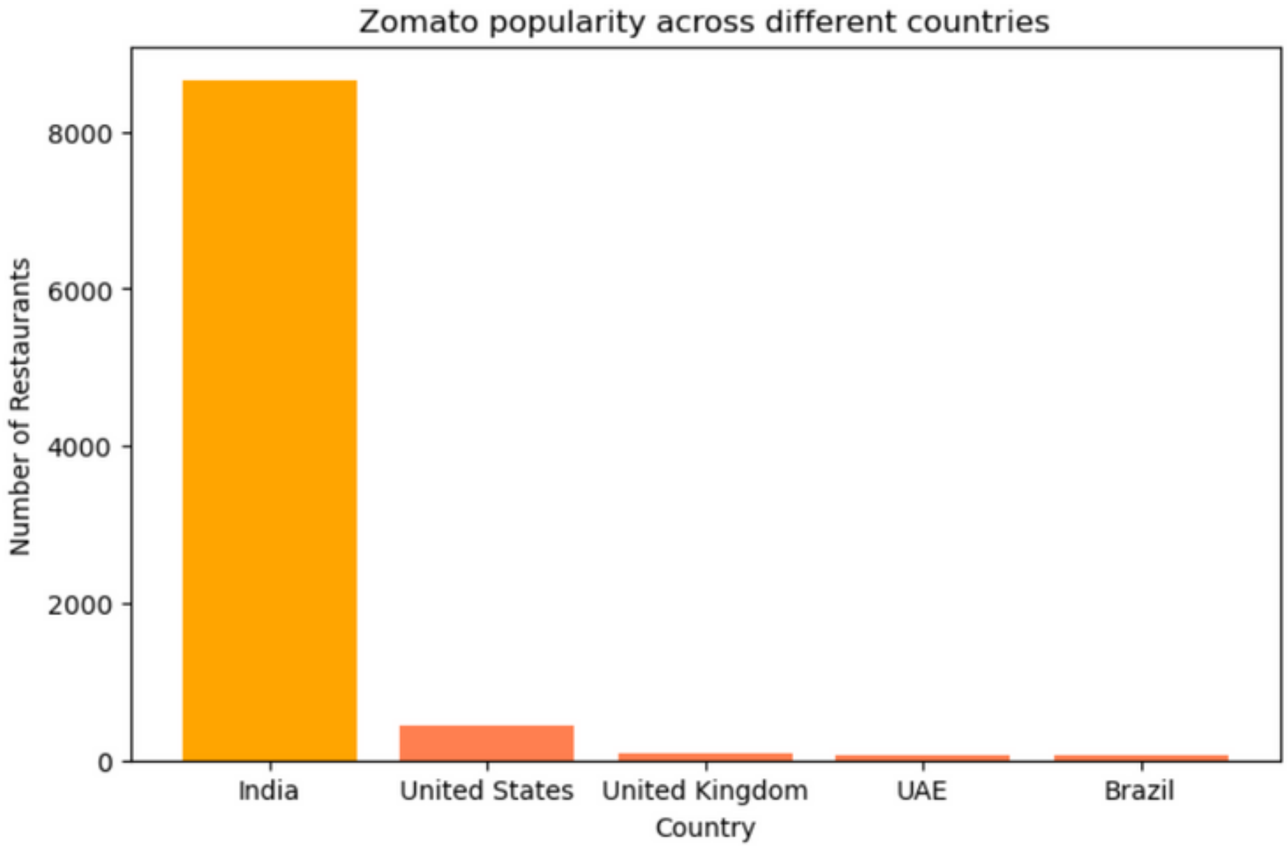
Step 2

Create the database on MySQL server.

03

Step 3

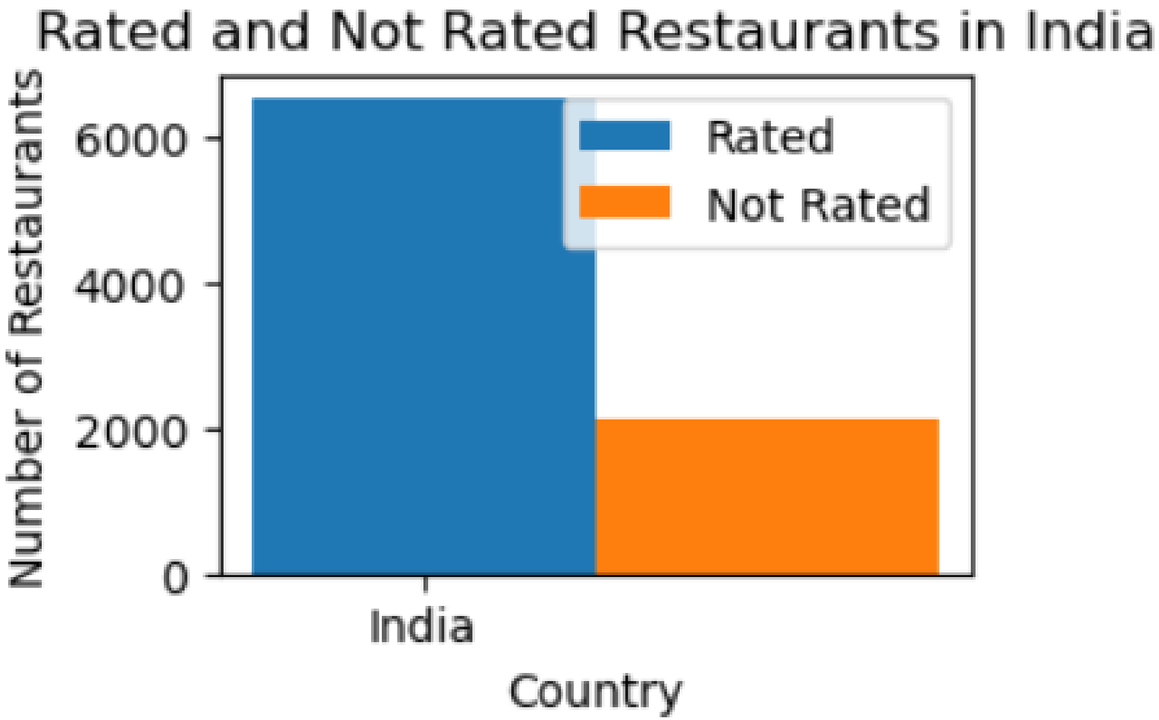
Perform exploratory data analysis.



Zomato's popularity

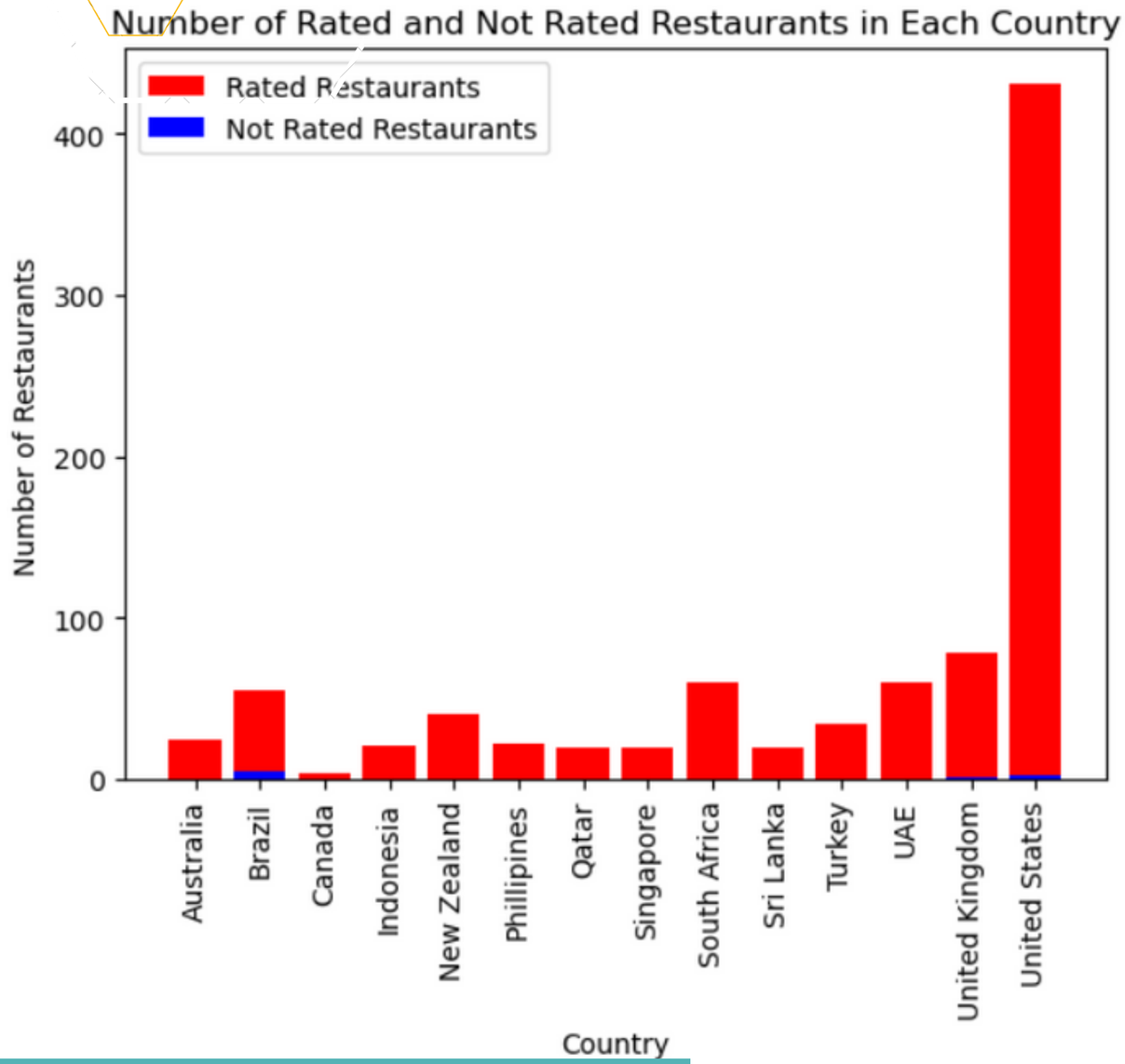
- This Analysis Compares the Popularity of Zomato across different countries.
- India has the highest number of restaurants on Zomato when compared to other countries.

Rated & Non-rated restaurants



- Categorizes the total number of restaurants in each country into rated and non-rated.
- These two plots allows us for an easy comparison of the number of rated and non-rated restaurants.
- The first plot shows data for all of India while the second plot shows data for other countries.

Rated & Non-rated restaurants



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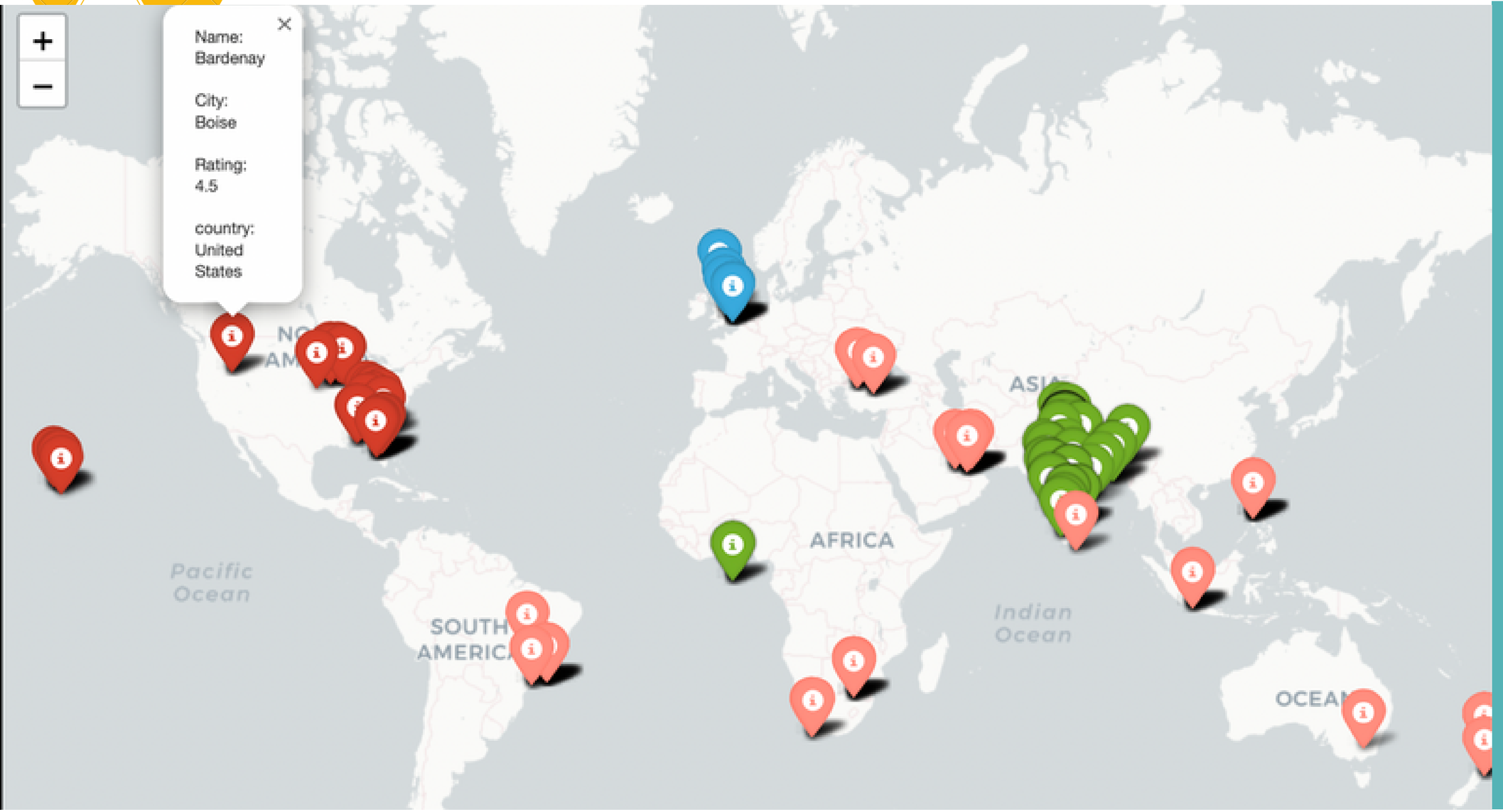
Average Rating

- This analysis shows average rating for each country

	country	avg_rating
0	India	3.352034
1	South Africa	4.210000
2	UAE	4.233333
3	Sri Lanka	3.870000
4	Turkey	4.300000
5	United Kingdom	4.139241
6	Qatar	4.060000
7	Phillipines	4.468182
8	Brazil	4.105455
9	New Zealand	4.262500
10	Indonesia	4.295238
11	Australia	3.658333
12	Canada	3.575000
13	United States	4.032251
14	Singapore	3.575000



TOP RATED restaurants

Cities with the MOST EXCELLENT-RATED restaurants

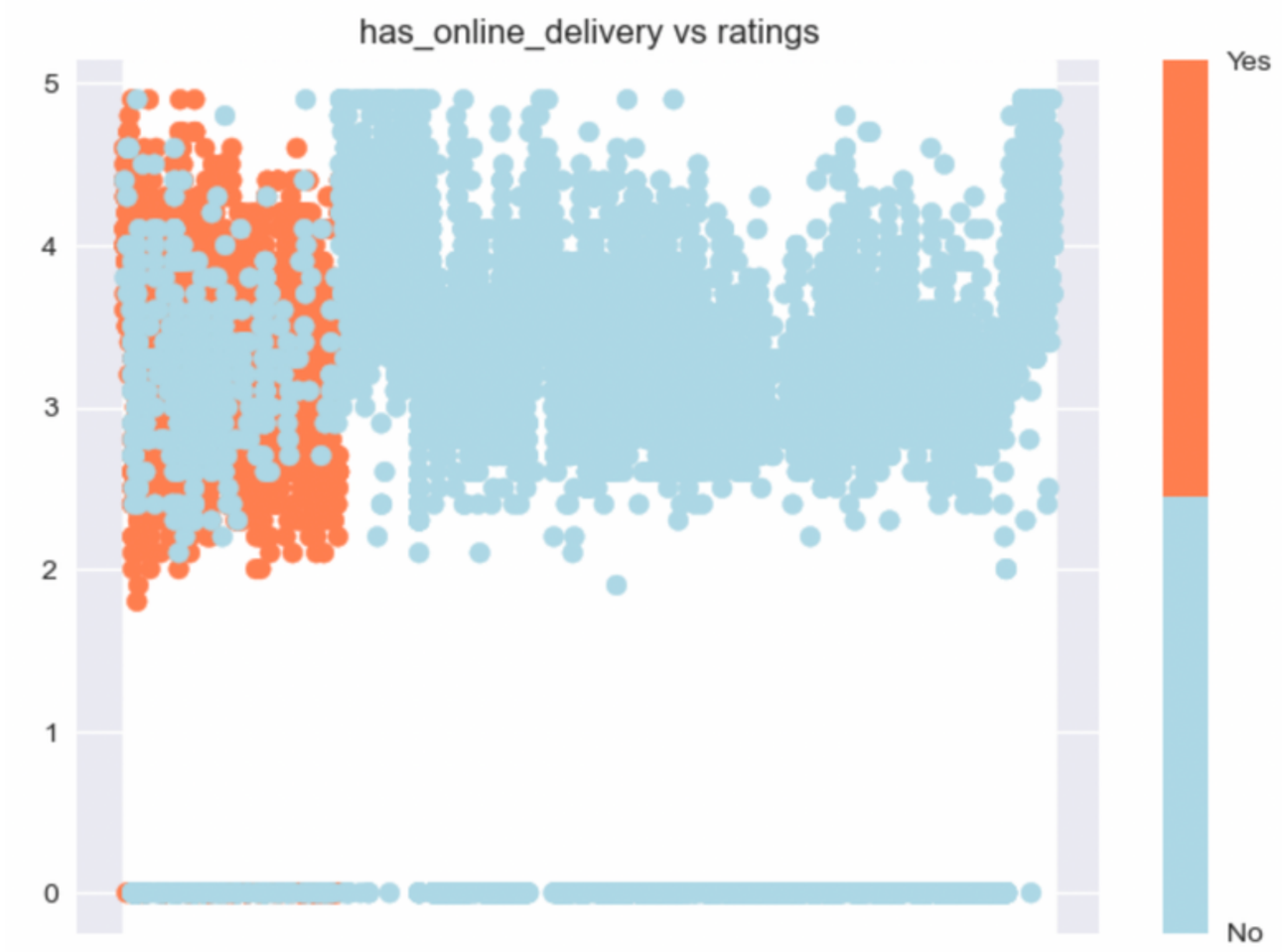
Top Rated Cusine

	country	cuisines	avg_rating	avg_votes
0	India	Mughlai, Lucknowi	4.9	1057.0
3	Indonesia	Sunda, Indonesian	4.9	1838.0
5	New Zealand	Desserts	4.9	517.5
6	Phillipines	European, Asian, Indian	4.9	621.0
8	Qatar	Chinese	4.9	182.0
9	South Africa	French	4.9	85.0
12	Sri Lanka	Seafood	4.9	203.0
13	Turkey	Bar Food	4.9	522.0
15	UAE	Continental, Indian	4.9	641.0
16	United Kingdom	Steak	4.9	309.0
19	United States	American, BBQ, Sandwich	4.9	1252.0

- This Analysis allows for easy identification of the highest rated cuisine in each country based on average rating and votes, which can be useful for identifying popular and high-quality cuisine options in different countries.

Top Rated Cuisines

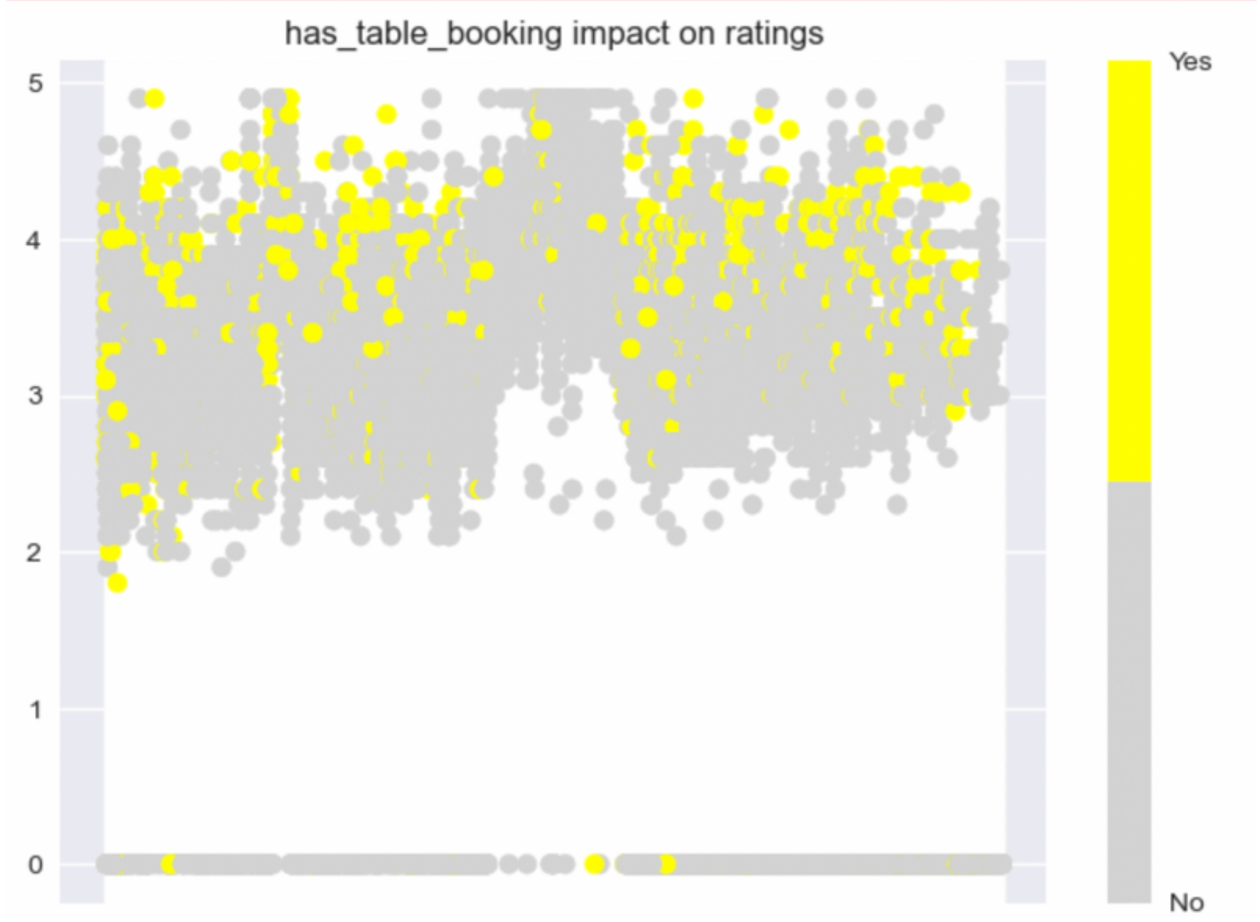
Online delivery VS Ratings



- This plot presents the restaurants on the x-axis and ratings on the y-axis.
- This presents the impact of has_online_delivery feature on the restaurant ratings.

	has_online_delivery	avg_rating
0	Yes	3.248837
1	No	2.465296

Table Booking VS Ratings



- This plot presents the restaurants on the x-axis and ratings on the y-axis.
- This presents the impact of has_table_booking feature on the restaurant ratings.

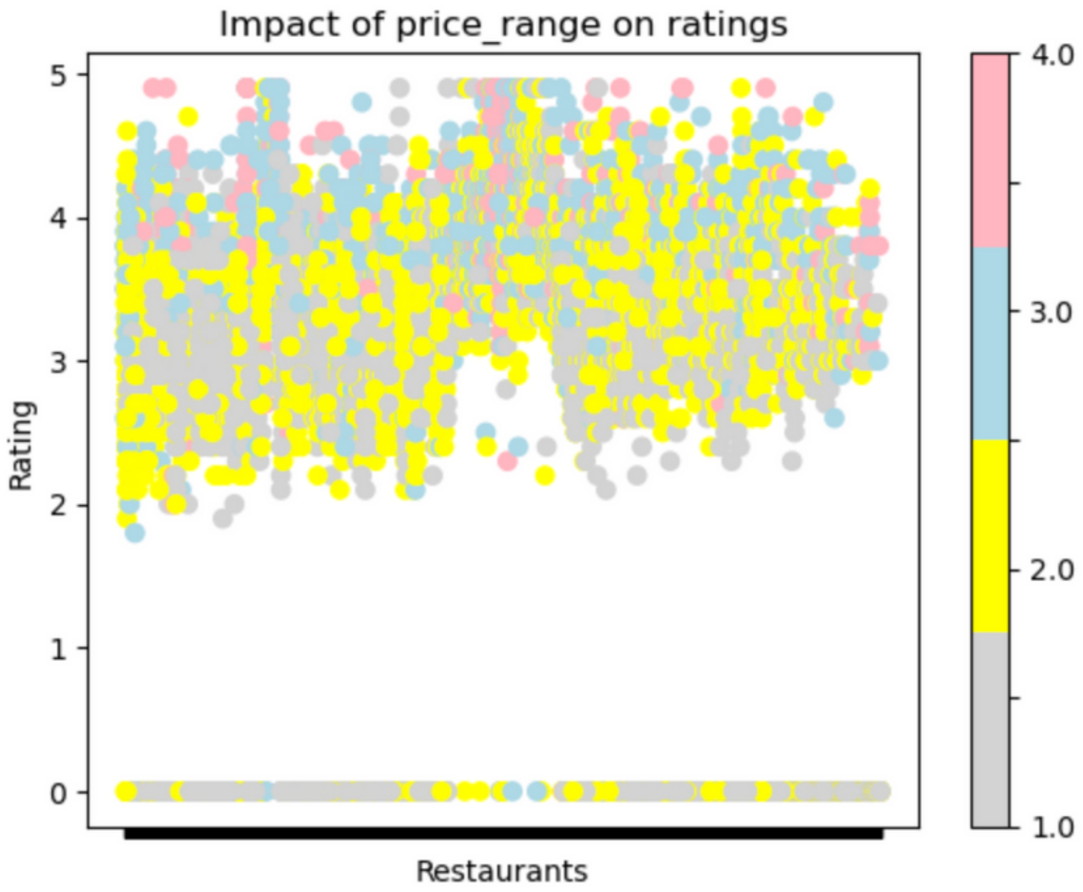
	has_table_booking	avg_rating
0	Yes	3.441969
1	No	2.559359

MOST EXPENSIVE RESTAURANTS

restaurant_name	city	avg_cost_for_two	currency	country
Pier 70	Paynesville	120	Dollar($)	Australia
Terra_o It lia	S o Paulo	400	Brazilian Real(R$)	Brazil
Lake House Restaurant	Vineland Station	70	Dollar($)	Canada
Orient Express - Taj Palace Hotel	New Delhi	8000	Indian Rupees(Rs.)	India
Skye	Jakarta	800000	Indonesian Rupiah(IDR)	Indonesia
Satoo - Hotel Shangri-La	Jakarta	800000	Indonesian Rupiah(IDR)	Indonesia
Hippopotamus - Museum Hotel	Wellington City	200	NewZealand($)	New Zealand
Spiral - Sofitel Philippine Plaza Manila	Pasay City	6000	Botswana Pula(P)	Phillipines
Vine - The St. Regis	Doha	550	Qatari Rial(QR)	Qatar
Restaurant Andre	Singapore	500	Dollar($)	Singapore
Restaurant Mosaic @ The Orient	Pretoria	3210	Rand(R)	South Africa
The Manhattan Fish Market	Colombo	4500	Sri Lankan Rupee(LKR)	Sri Lanka
Nusr-Et	Ankara	400	Turkish Lira(TL)	Turkey
Tresind - Nassima Royal Hotel	Dubai	500	Emirati Diram(AED)	UAE
Tamba	Abu Dhabi	500	Emirati Diram(AED)	UAE
Carnival By Tresind	Dubai	500	Emirati Diram(AED)	UAE
Restaurant Gordon Ramsay	London	230	Pounds( )	United Kingdom
Texas de Brazil	Orlando	100	Dollar($)	United States

- This data frame presents the most expensive restaurants with the currency used.

IMPACT OF PRICE RANGE ON RATING



- This scatter plot shows restaurants on x-axis and ratings on y axis.
- The below df shows higher rating is associated with higher price range.

	price_range	avg_rating
0	4	3.817918
1	3	3.683381
2	2	2.941054
3	1	1.999887

CONCLUSION

- These analyses provide insights into the restaurant industry, which can be used to make informed decisions.
- Restaurant owners can leverage the insights to make data-driven decisions that can help them improve their ratings and attract more customers.
- Customers, on the other hand, can use the information to find the best-rated and most expensive restaurants in their countries of interest, thereby making informed dining choices.
- Overall, the insights from this analysis can help improve the restaurant industry by promoting healthy competition and encouraging high-quality service delivery.

THANK YOU