

# **EXPLORATORY DATA ANALYSIS ON SWIGGY DATA OF INDIAN METRO CITY RESTUARENTS**

## ABSTRACT

This project seeks to document Exploratory data analysis (EDA) using Swiggy Dataset of restaurants in metro cities like Kolkata, Mumbai, Chennai, Ahmedabad, Delhi, Hyderabad, Bangalore, Pune and Surat.

Dataset is taken from kaggle : <https://www.kaggle.com/datasets/aniruddhapa/swiggy-restaurants-dataset-of-metro-cities>

The code imports necessary libraries such as pandas, numpy, matplotlib, seaborn, plotly, geopy, and folium. It also imports Image and HTML libraries for displaying images.

After importing the required libraries, the code suggests that data has been cleaned, which means that the data has been pre-processed and is ready for analysis.

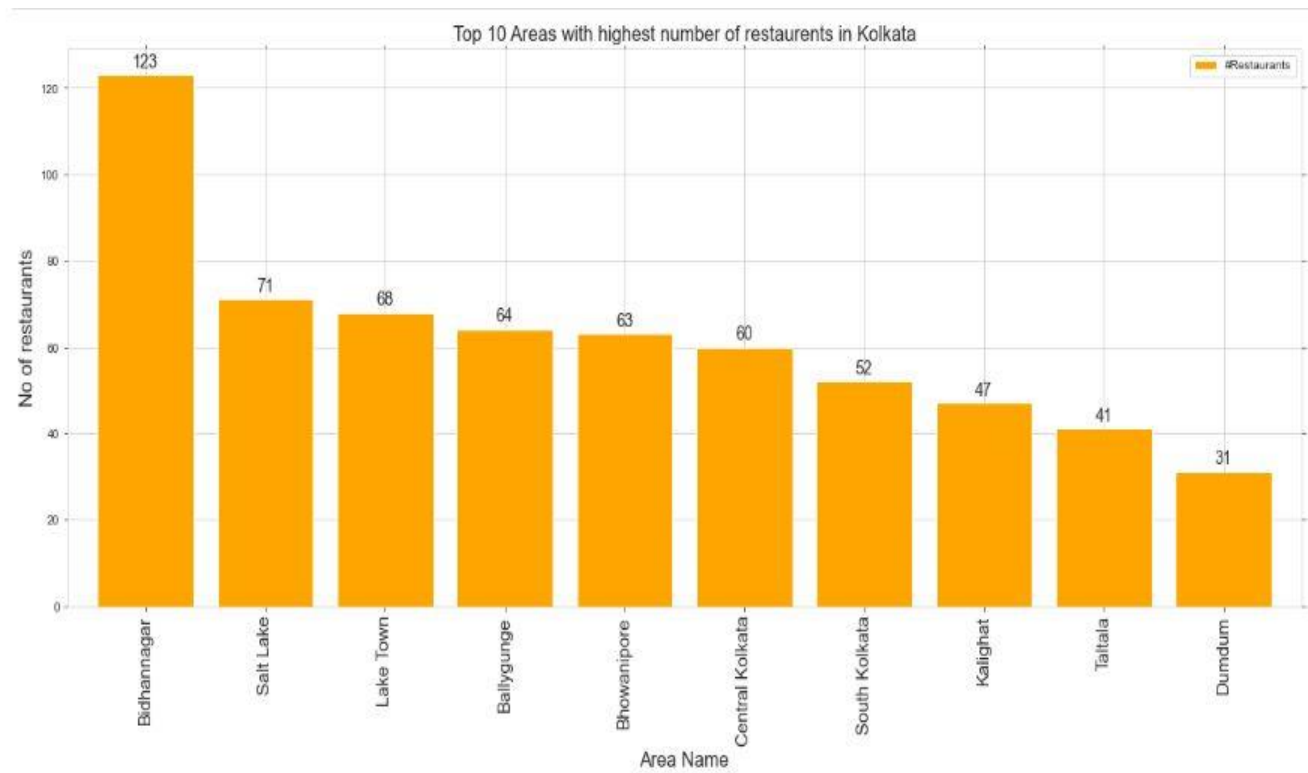
The analysis aims to explore the restaurant scene in major metropolitan cities like Kolkata, Mumbai, Chennai, Ahmedabad, Delhi, Hyderabad, Bangalore, Pune, and Surat. This suggests that the analysis could involve exploring restaurant data such as cuisine types, customer ratings, restaurant locations, and more, for the mentioned cities.

Overall, the code sets up the necessary environment and libraries for analyzing restaurant data in various metropolitan cities, which can provide useful insights for individuals and businesses involved in the food industry.

# **ANALYSIS OF RESTUARANTS IN KOLKATA**

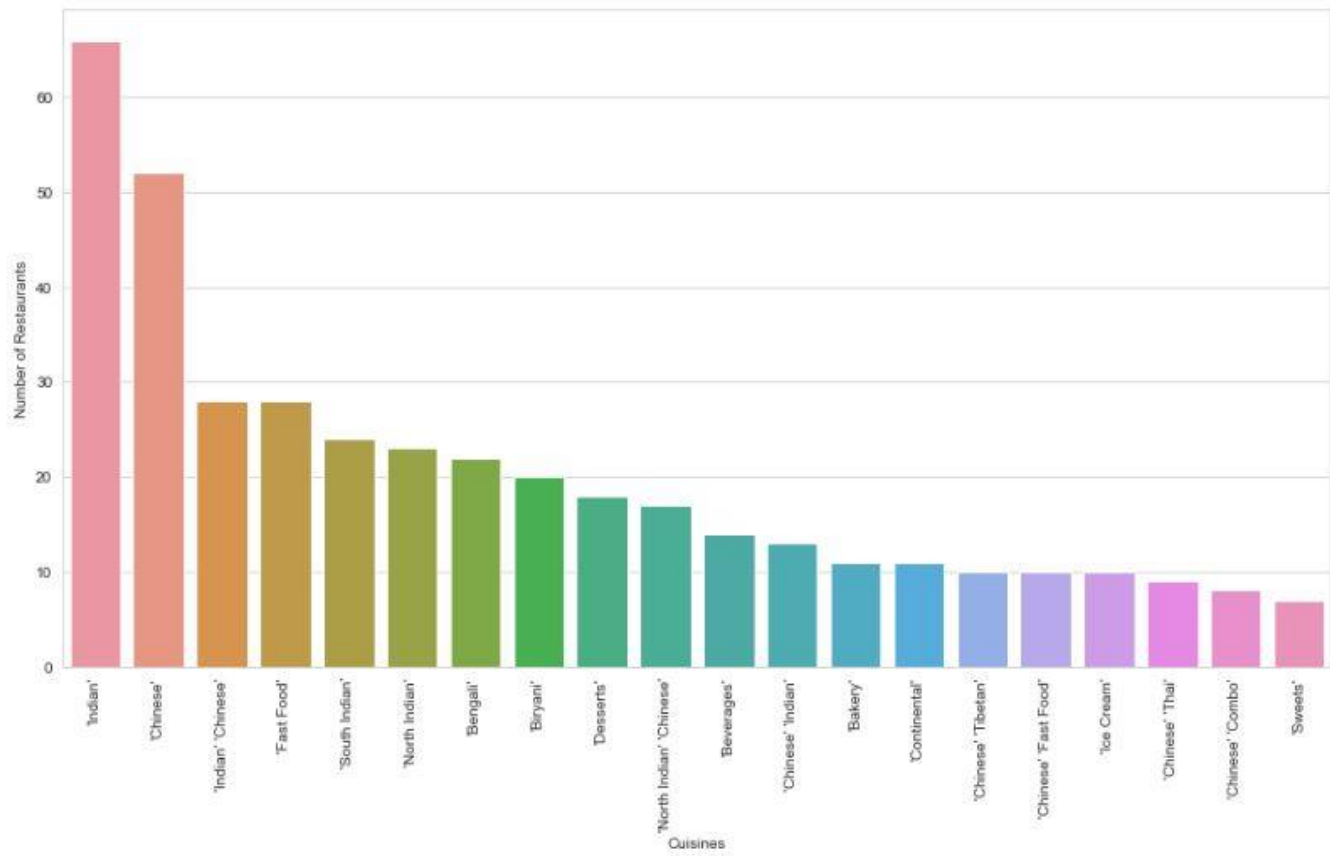
TOP 10 AREAS WITH HIGHEST NUMBER OF RESTUARENTS IN KOLKATA

- 1. Bidhan nagar
- 2. Salt lake
- 3. Lake Town
- 4. Ballygunge
- 5. Bhowanipore



TOP CUISINES IN KOLKATA

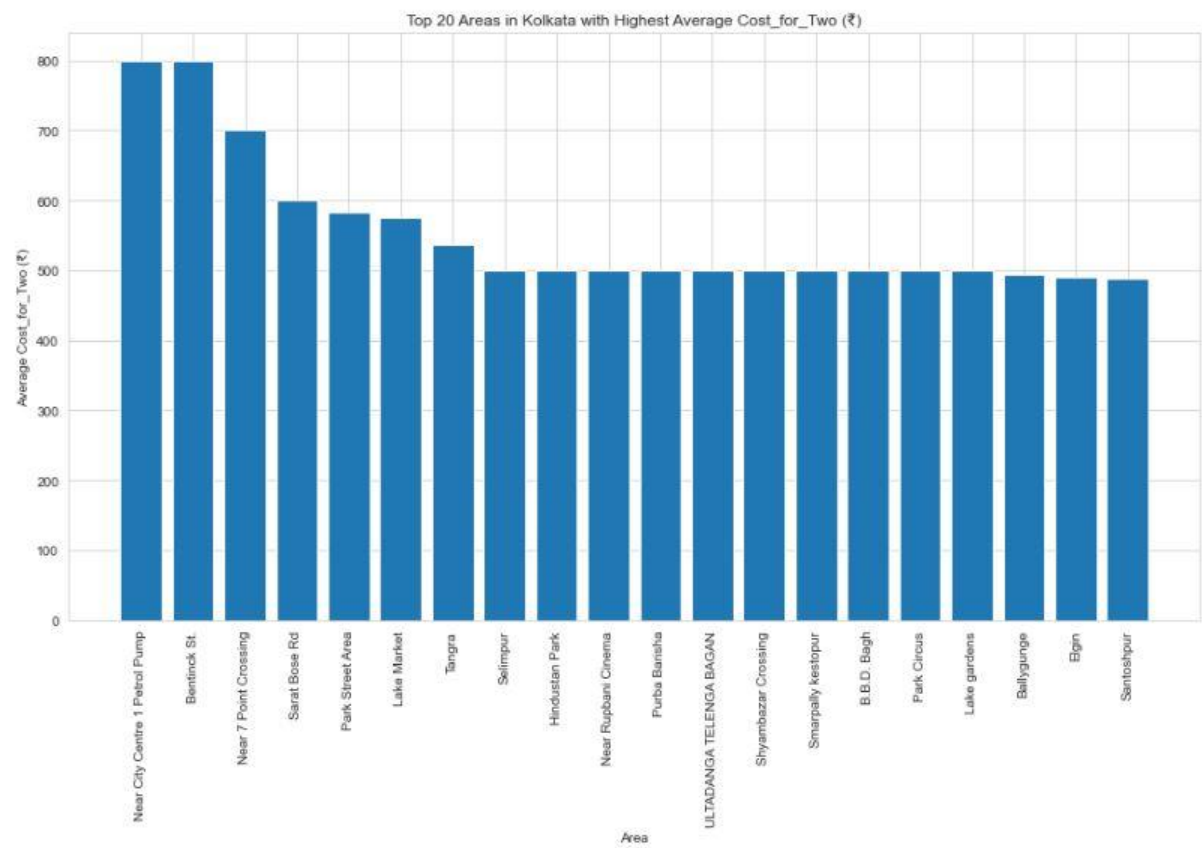
- Indian and Chinese



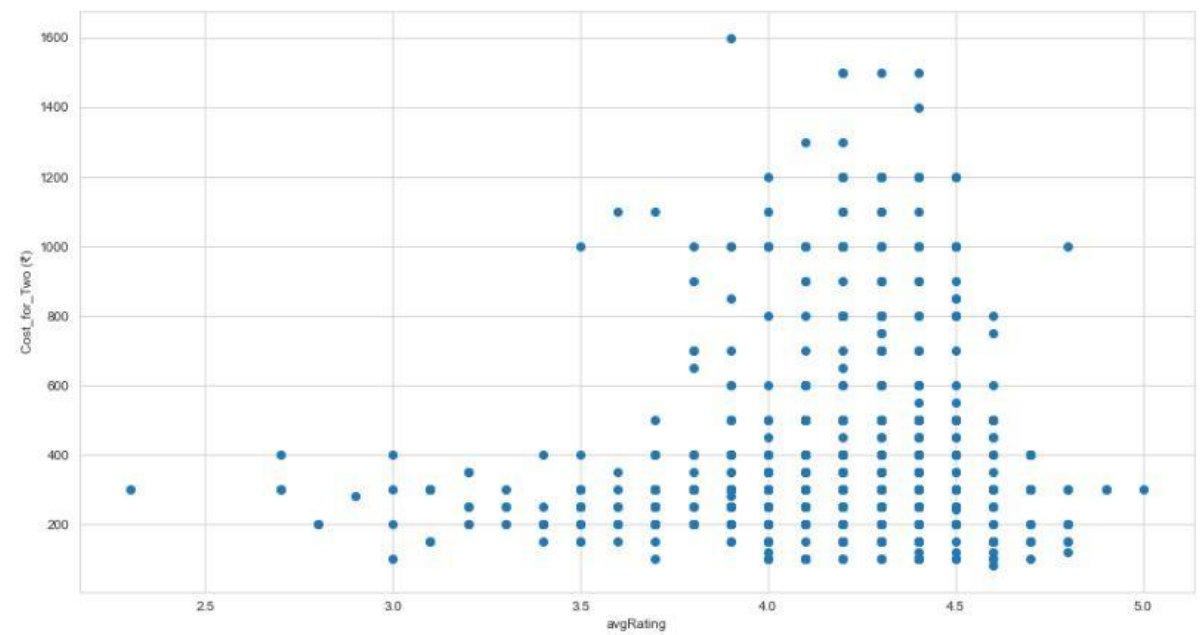
## MOST COMMON WORDS PRESENT



TOP 20 AREAS WITH HIGHEST AVERAGE COST FOR TWO

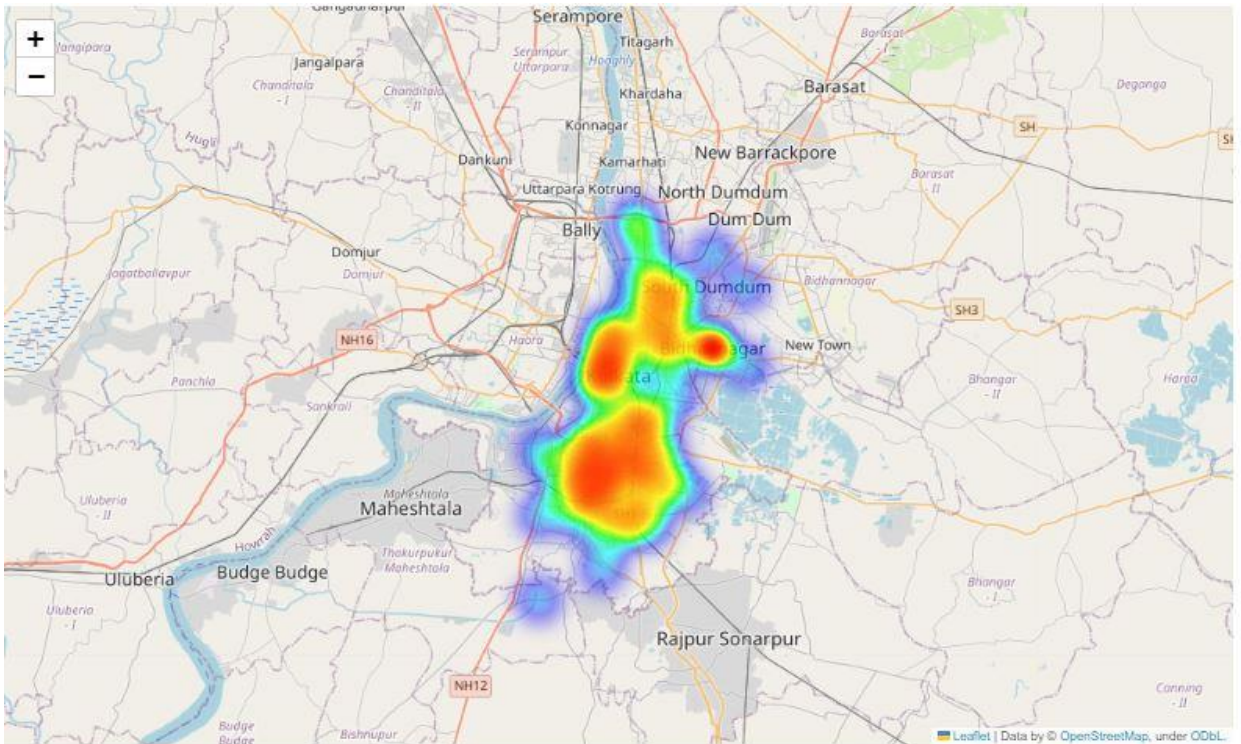
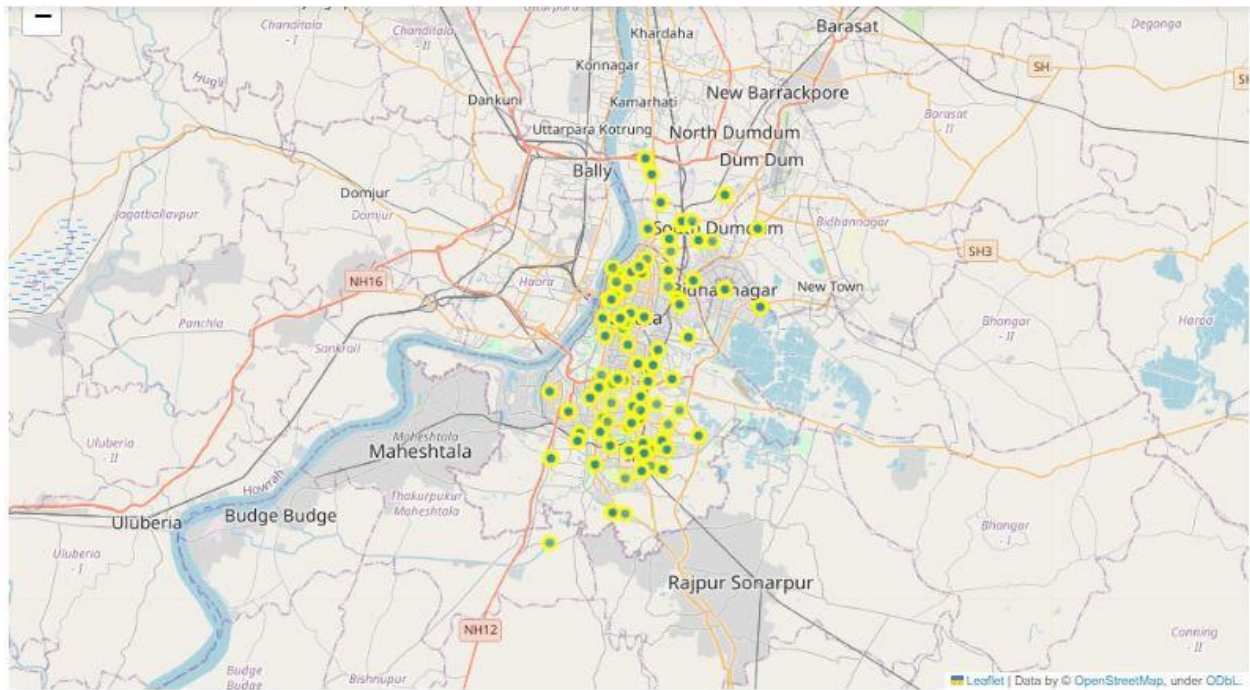


AVERAGE RATING VS COST FOR TWO





## KOLKATA MAP WITH RESTAURANT DENSITY

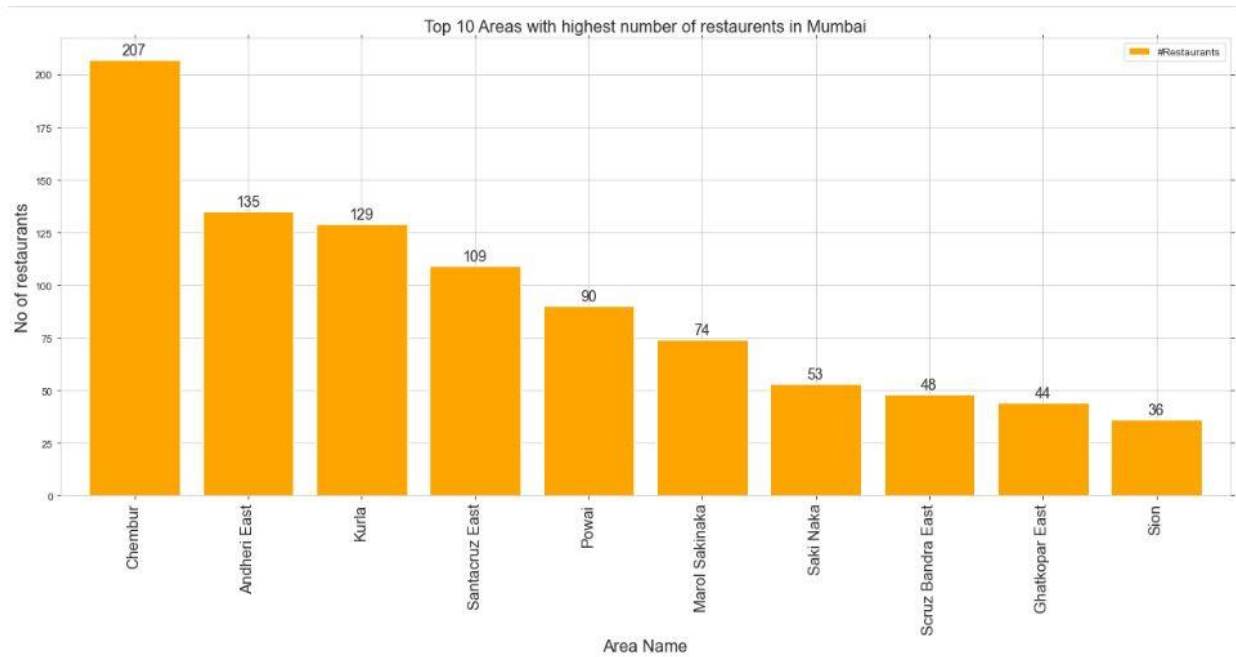




# **ANALYSIS OF RESTUARANTS IN MUMBAI**

## TOP 10 AREAS WITH HIGHEST NUMBER OF RESTUARENTS IN MUMBAI

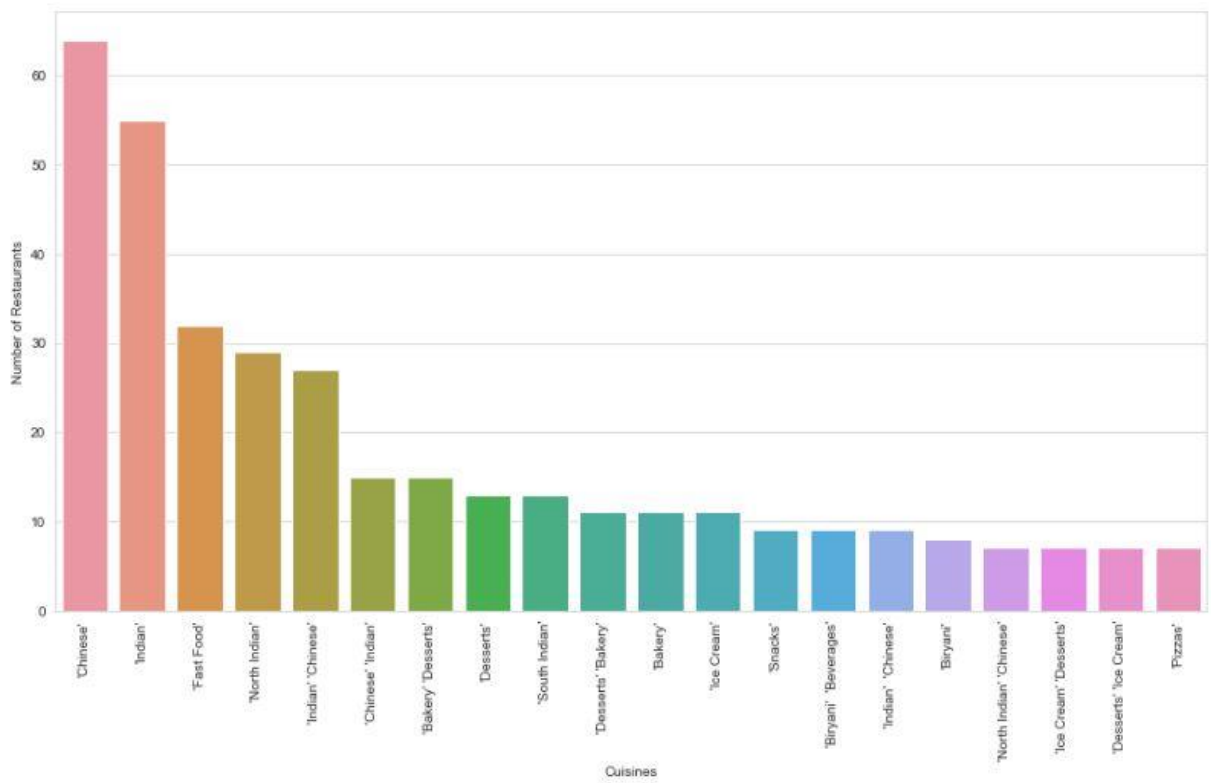
1. **Chembur**
2. **Andheri East**
3. **Kurla**
4. **Santacruz East**
5. **Powai**



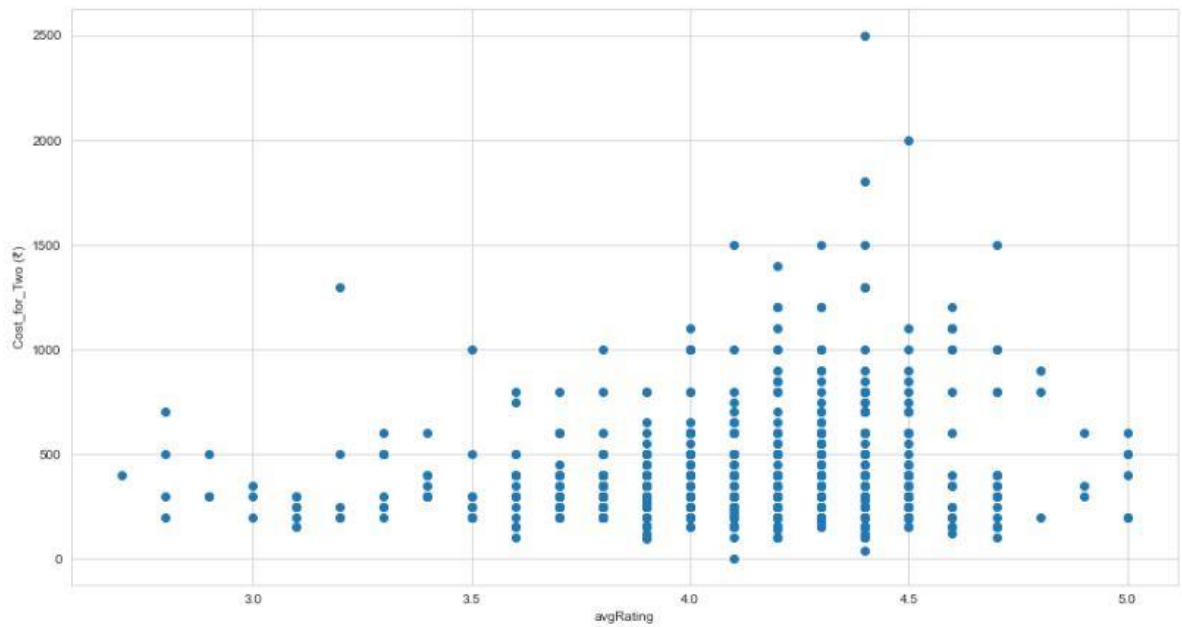
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## TOP CUISINES IN KOLKATA

- Indian and Chinese

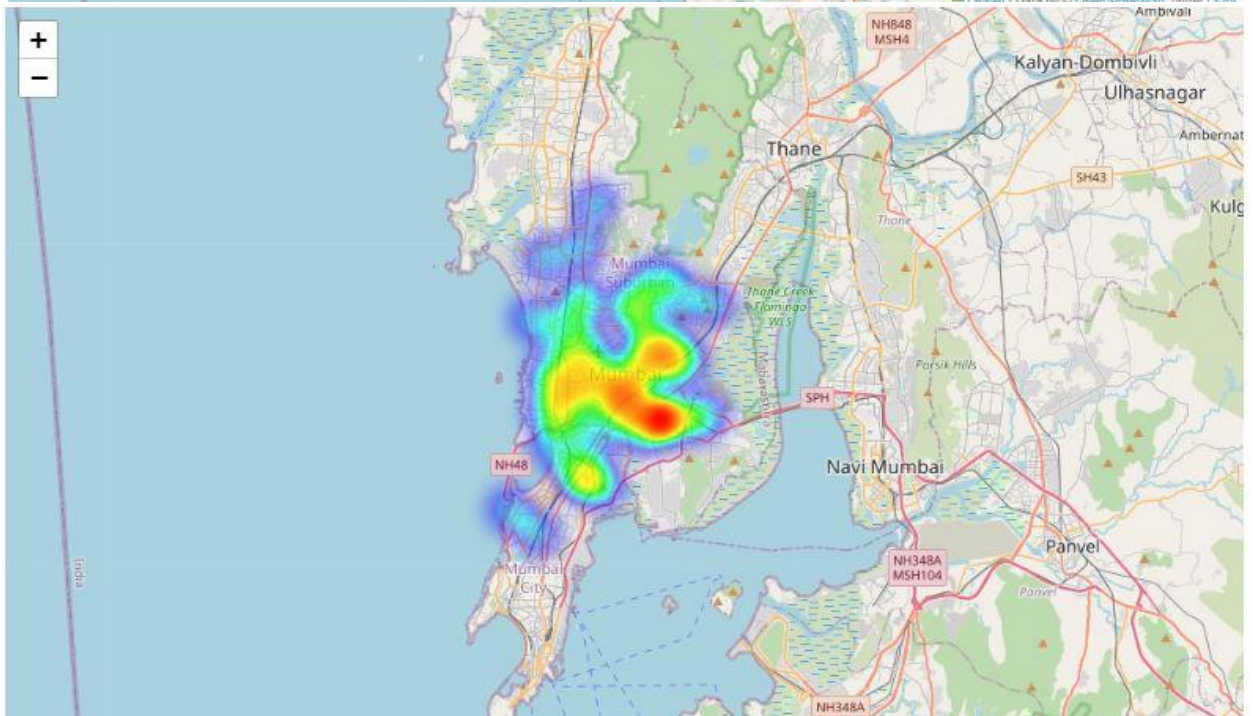
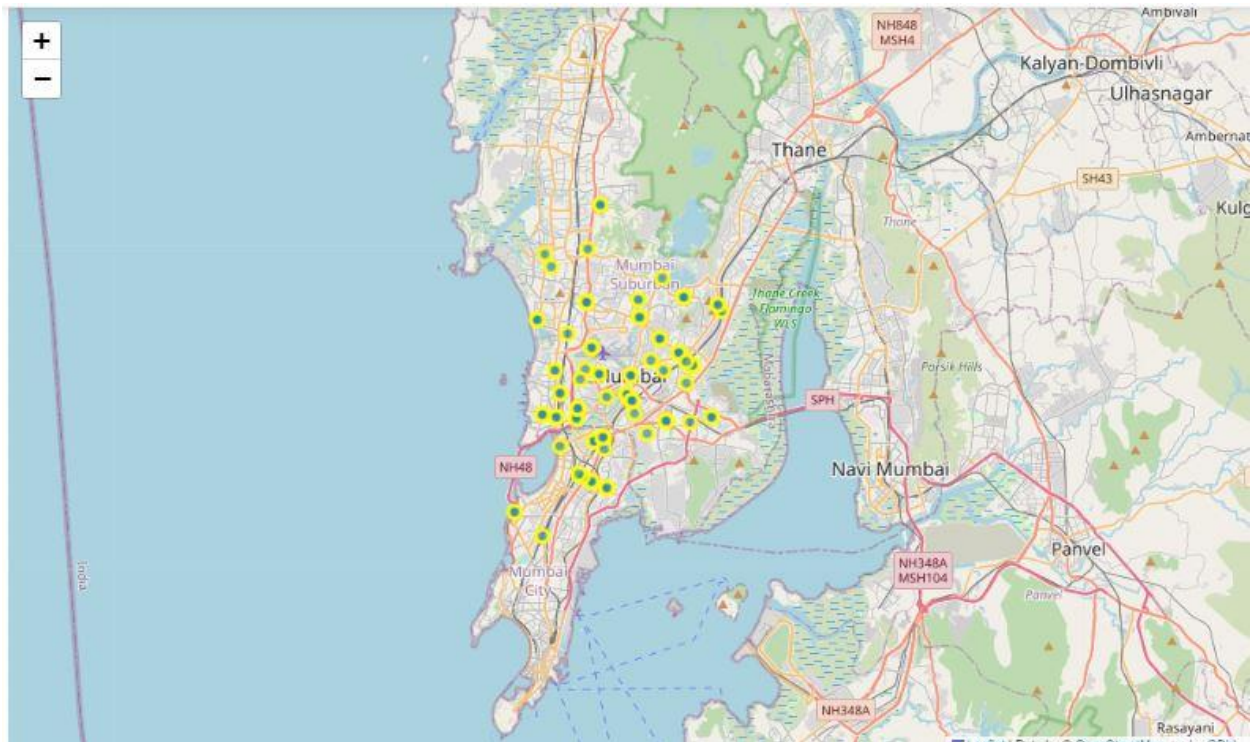


## AVERAGE RATING VS COST FOR TWO



When ratings increased, price also increased

## MUMBAI MAP WITH RESTAURANT DENSITY

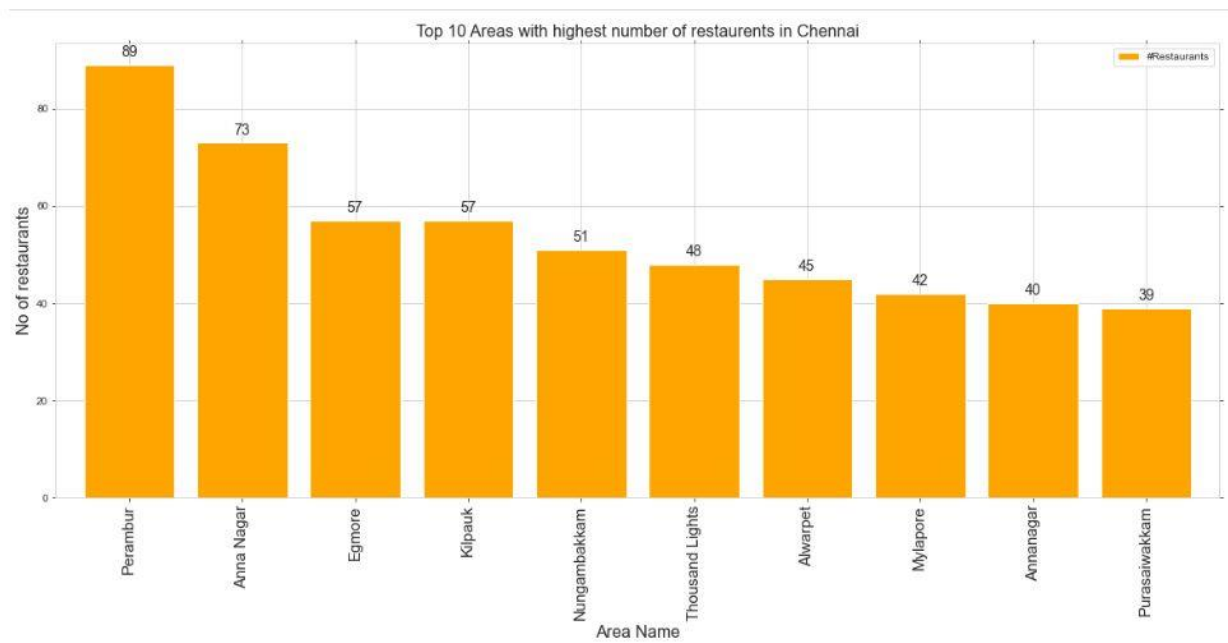


# **ANALYSIS OF RESTUARANTS IN CHENNAI**



TOP 10 AREAS WITH HIGHEST NUMBER OF RESTUARENTS IN CHENNAI

1. Perambur
2. Anna Nagar
3. Egmore
4. Kilpauk
5. Nungambakkam

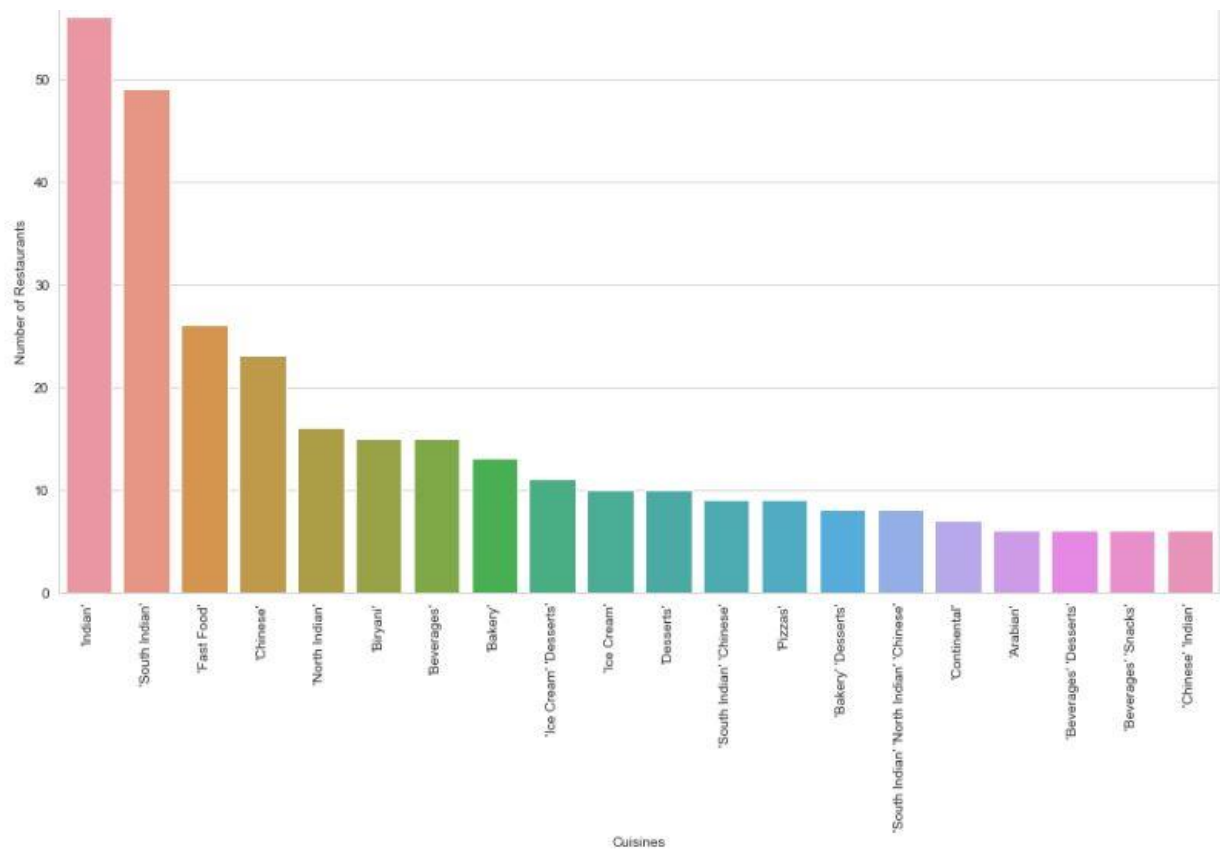


## MOST COMMON WORDS PRESENT MOST COMMON WORDS PRESENT

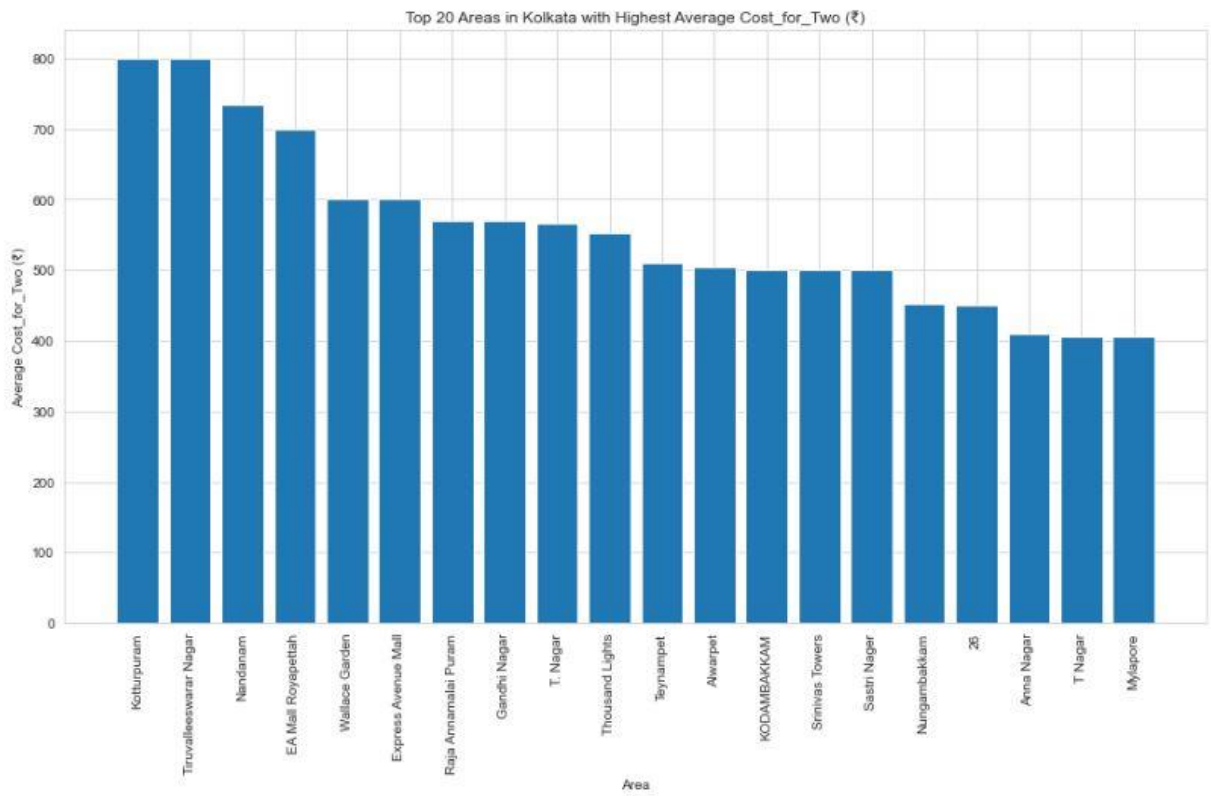


TOP CUISINES IN CHENNAI

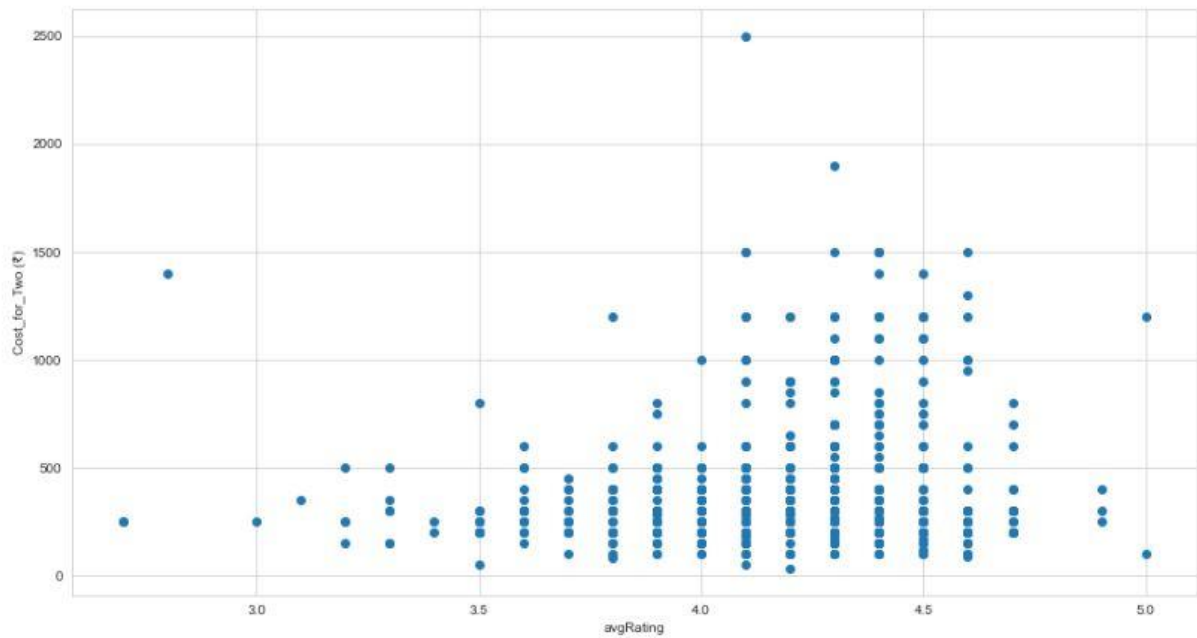
- South Indian



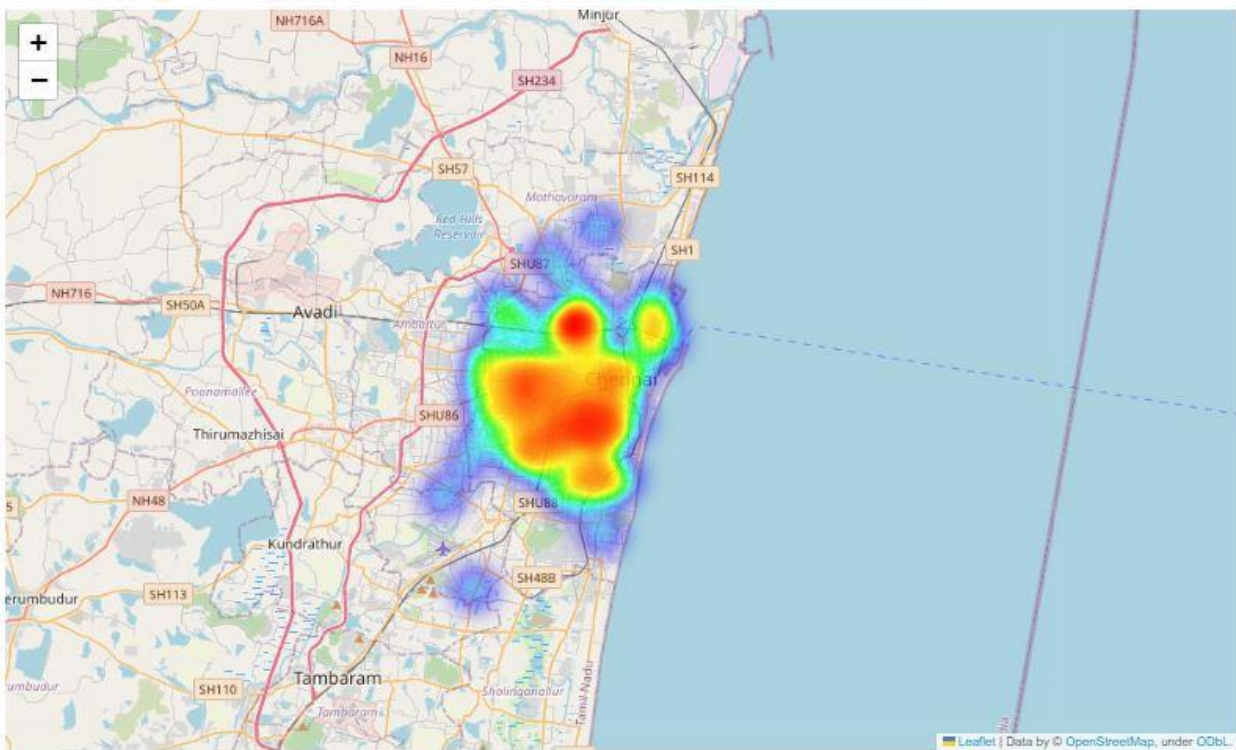
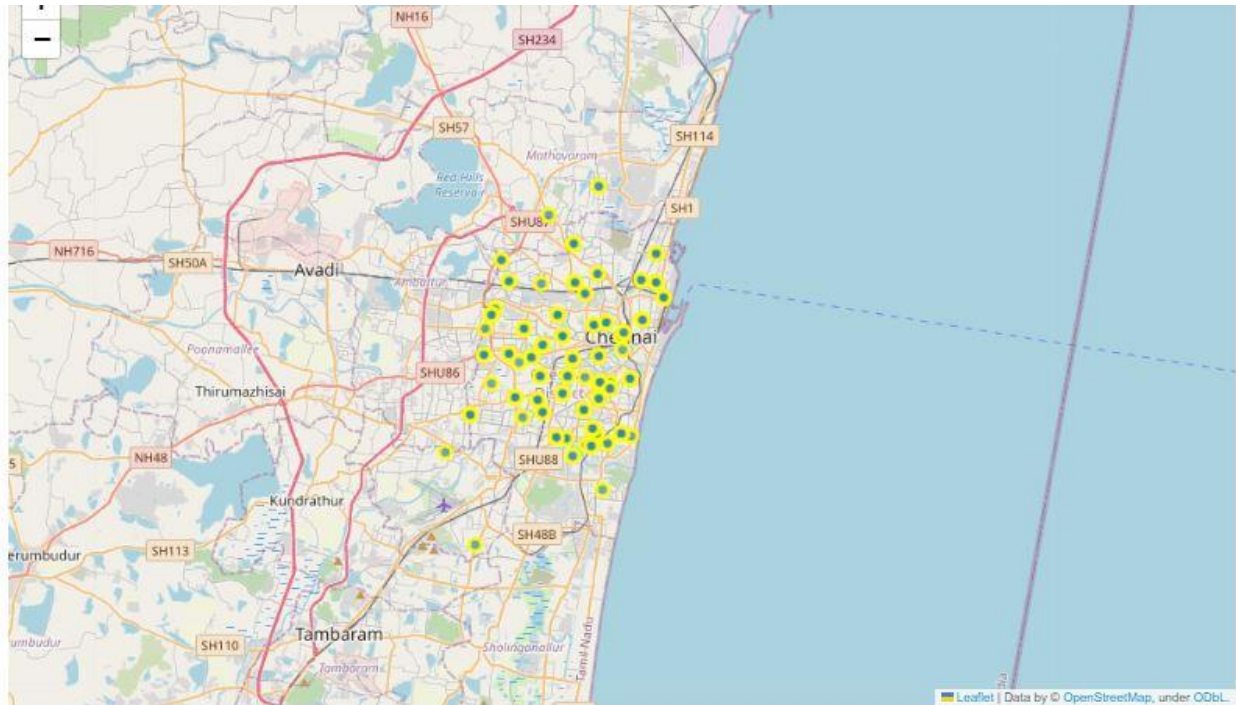
TOP 20 AREAS WITH HIGHEST AVERAGE COST FOR TWO



AVERAGE RATING VS COST FOR TWO



## CHENNAI MAP WITH RESTAURANT DENSITY

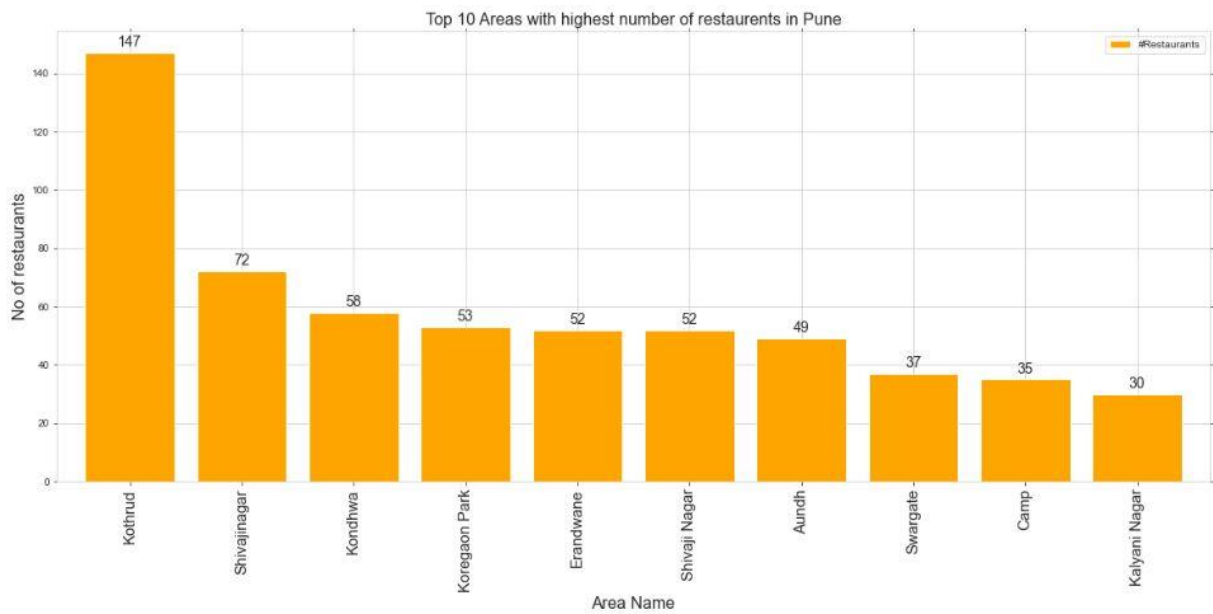


# **ANALYSIS OF RESTUARANTS IN PUNE**

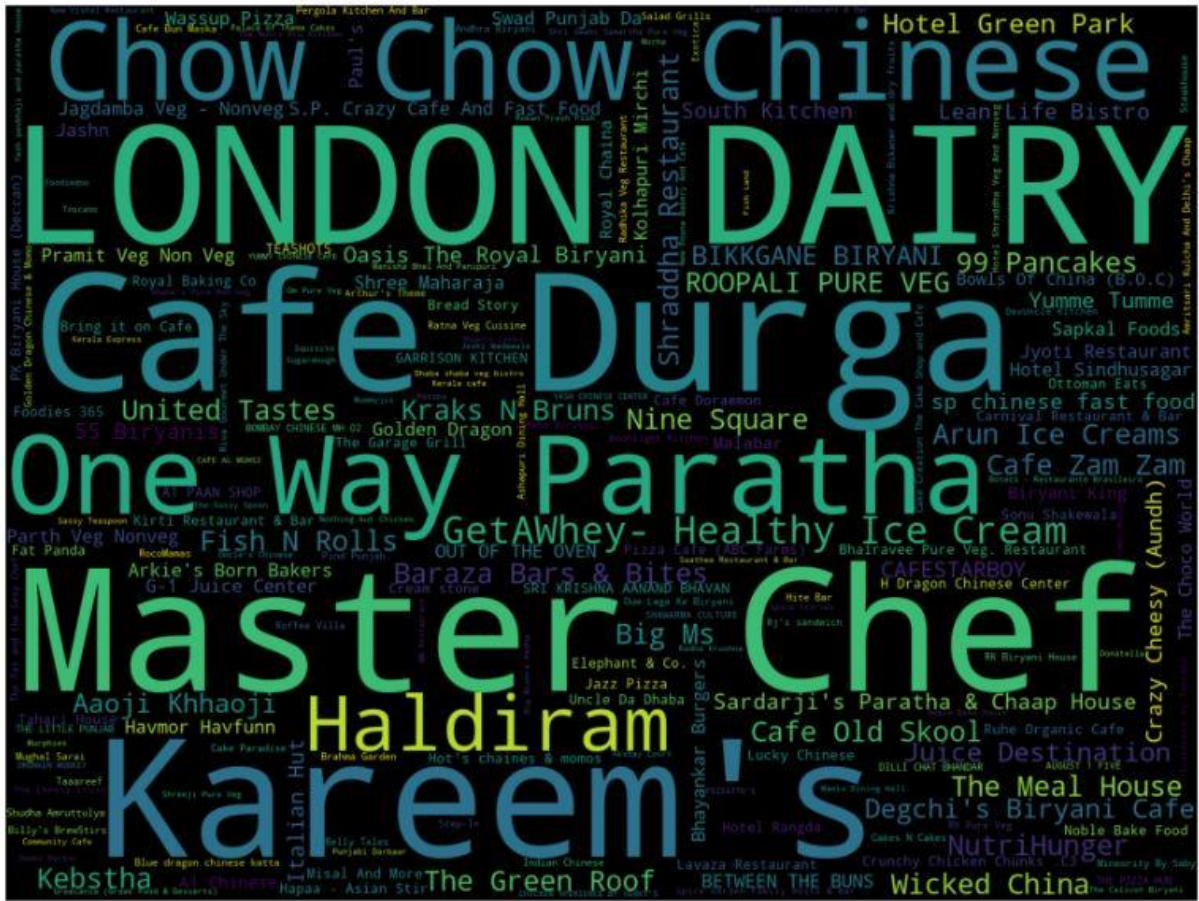


## TOP 10 AREAS WITH HIGHEST NUMBER OF RESTUARENTS IN PUNE

1. Kothrud
2. Shivajinagar
3. Kondhwa
4. Koregaon Park
5. Erandwane

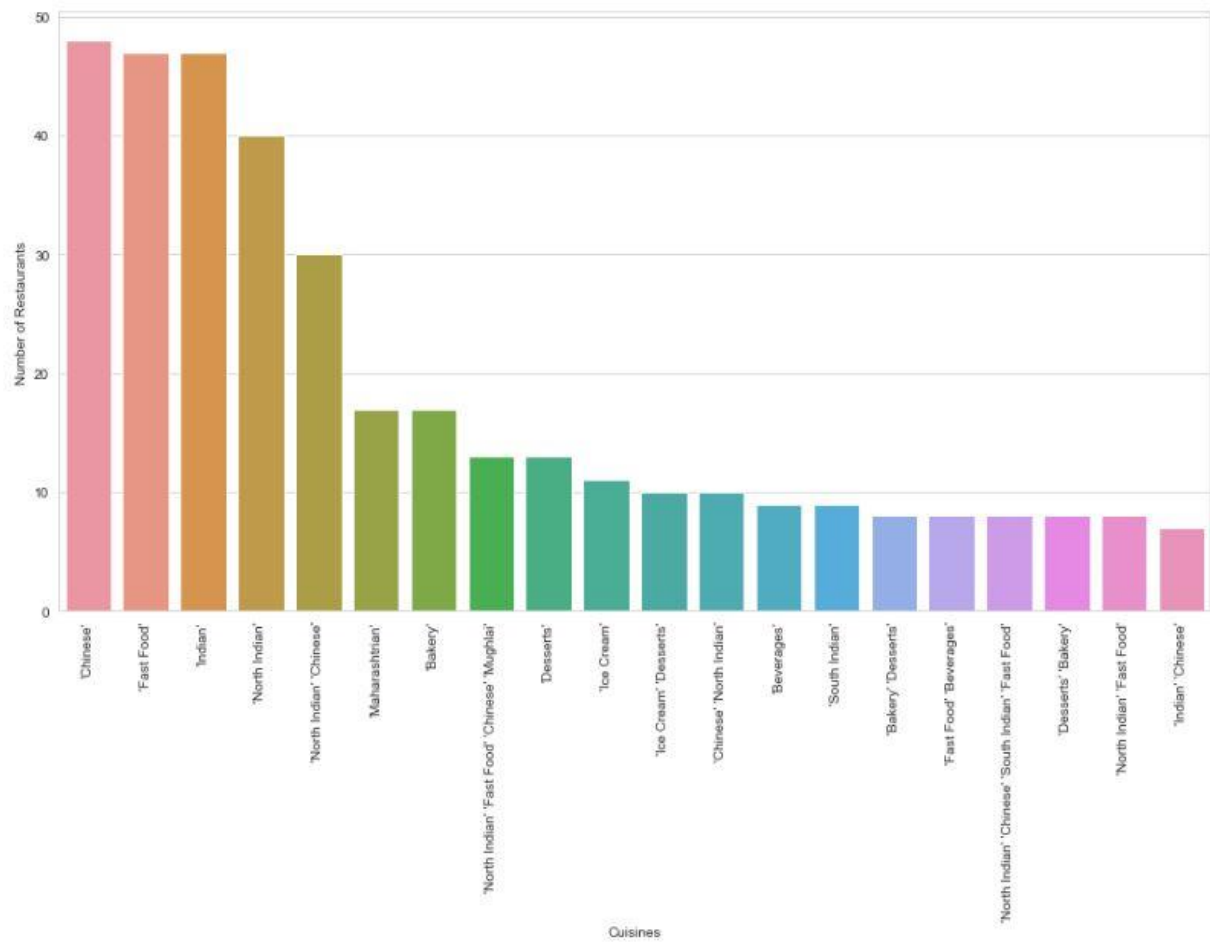


## MOST COMMON WORDS PRESENT

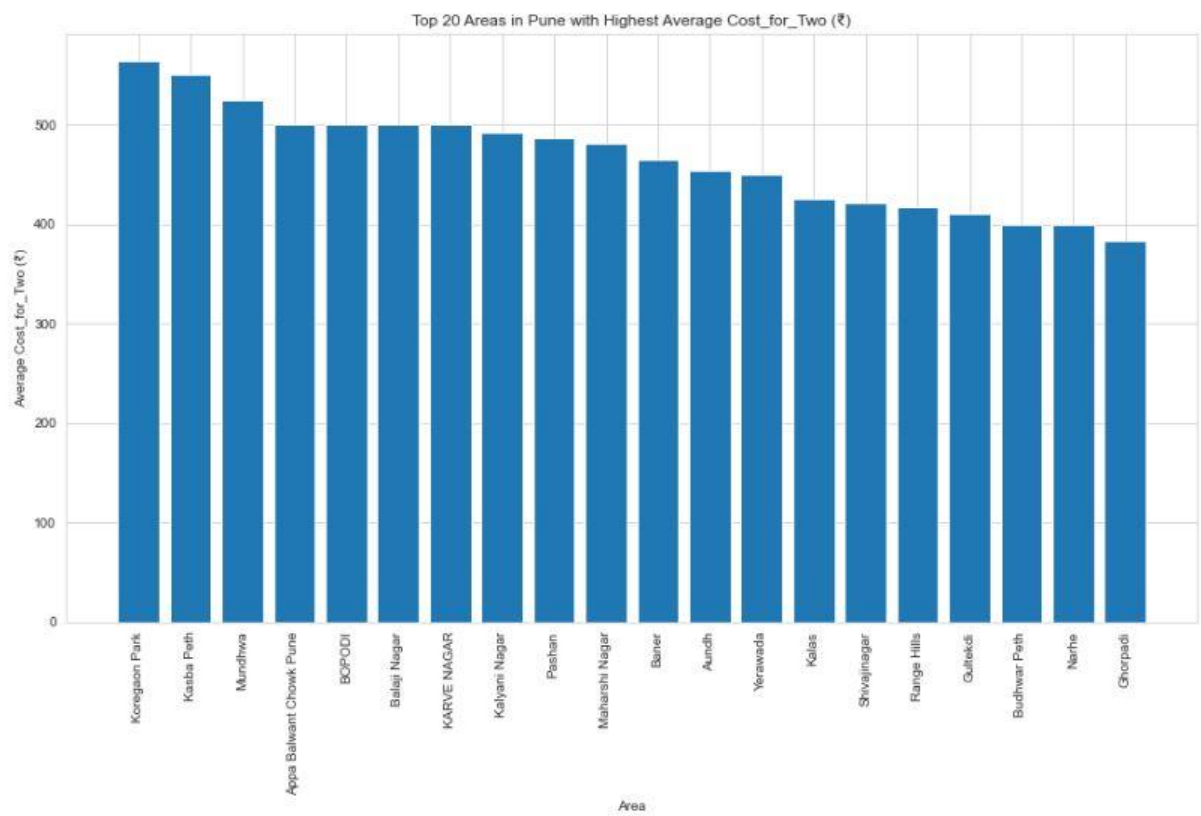


TOP CUISINES IN PUNE

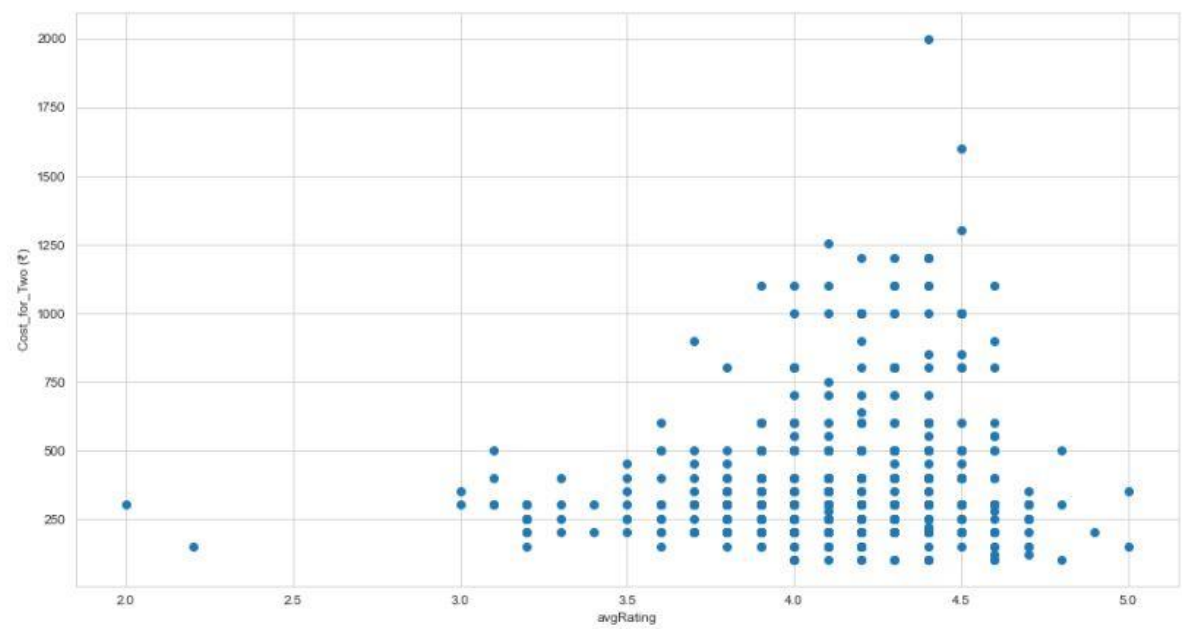
- Chinese



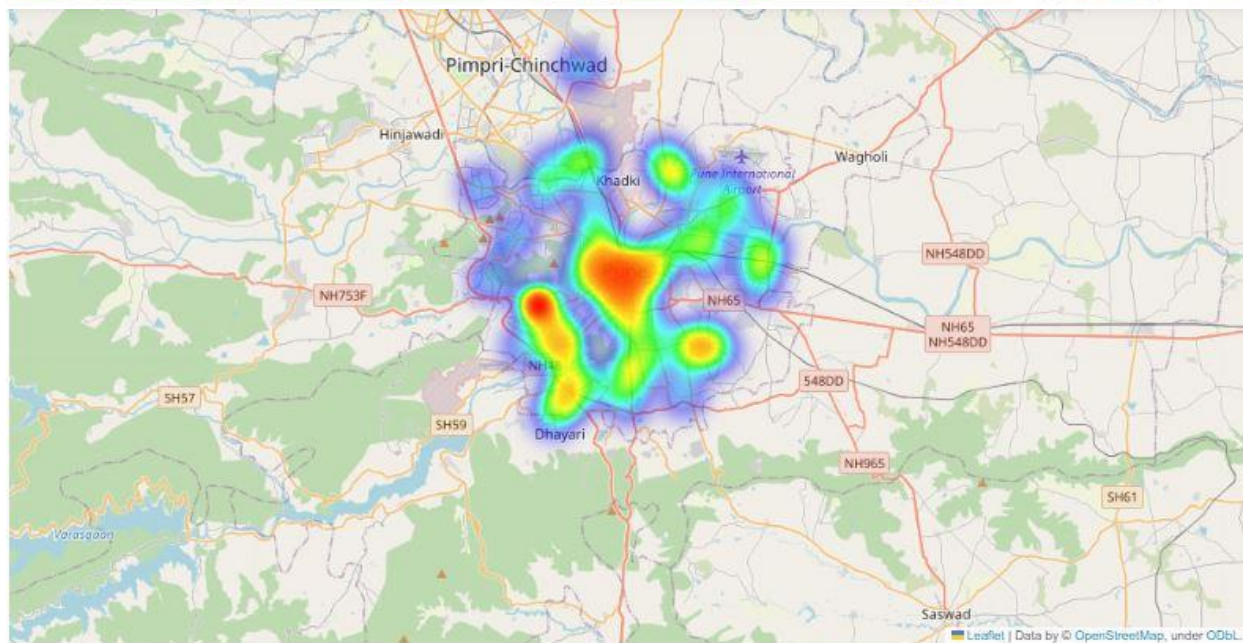
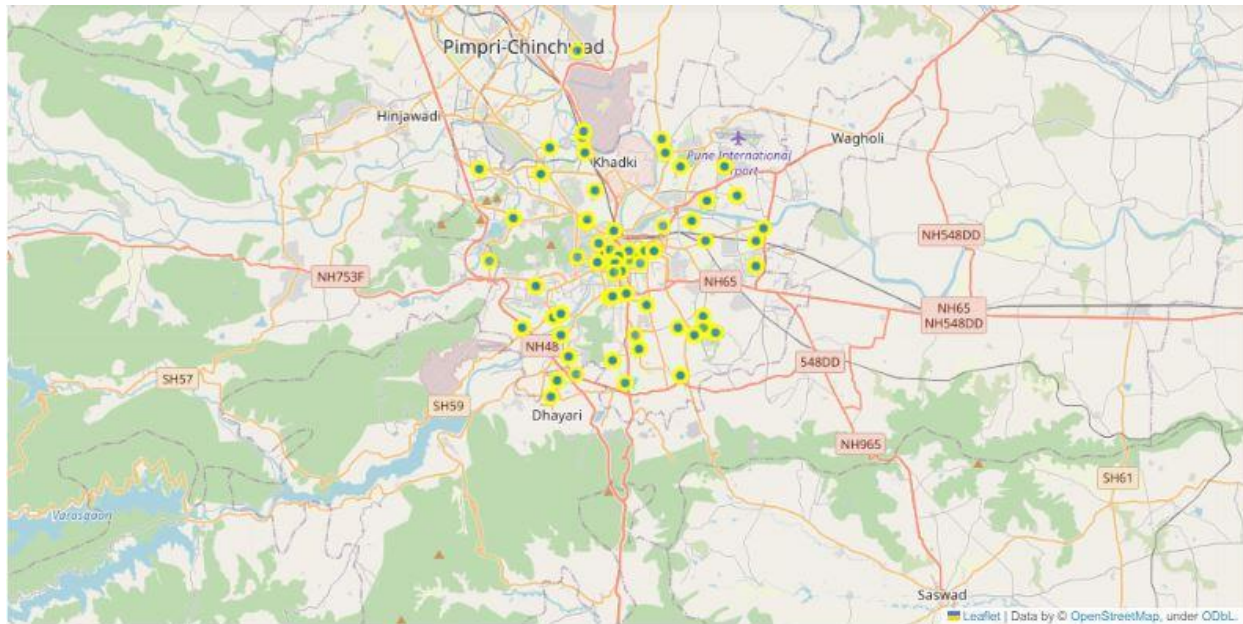
TOP 20 AREAS WITH HIGHEST AVERAGE COST FOR TWO



AVERAGE RATING VS COST FOR TWO



## PUNE MAP WITH RESTAURANT DENSITY

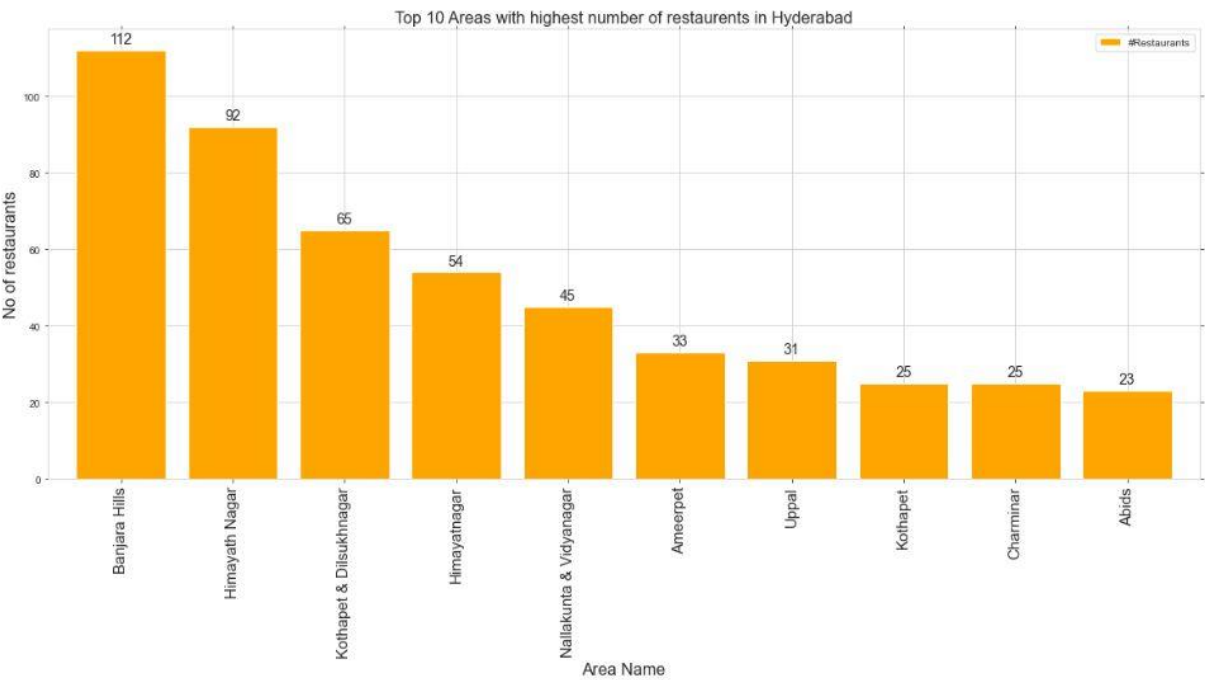




# **ANALYSIS OF RESTUARANTS IN HYDERABAD**



TOP 10 AREAS WITH HIGHEST NUMBER OF RESTUARENTS IN HYDERABAD

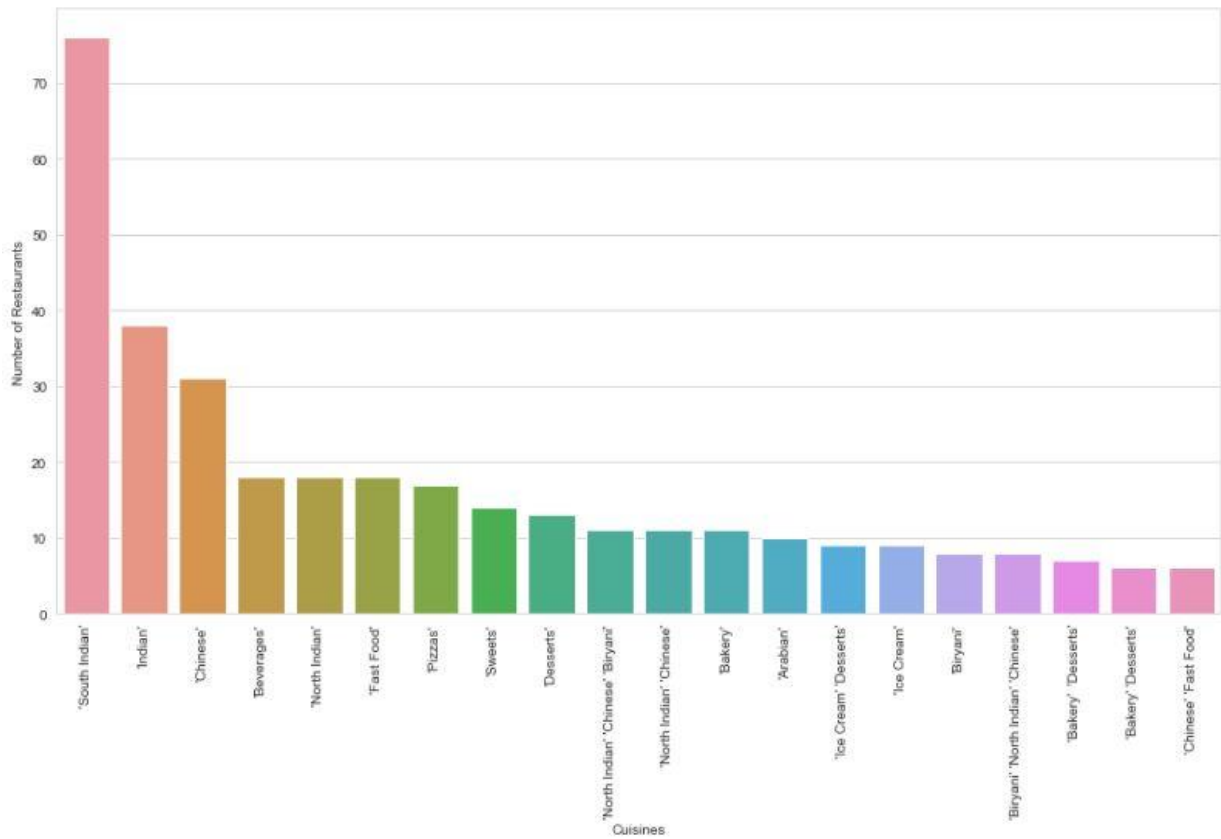


## MOST COMMON WORDS PRESENT

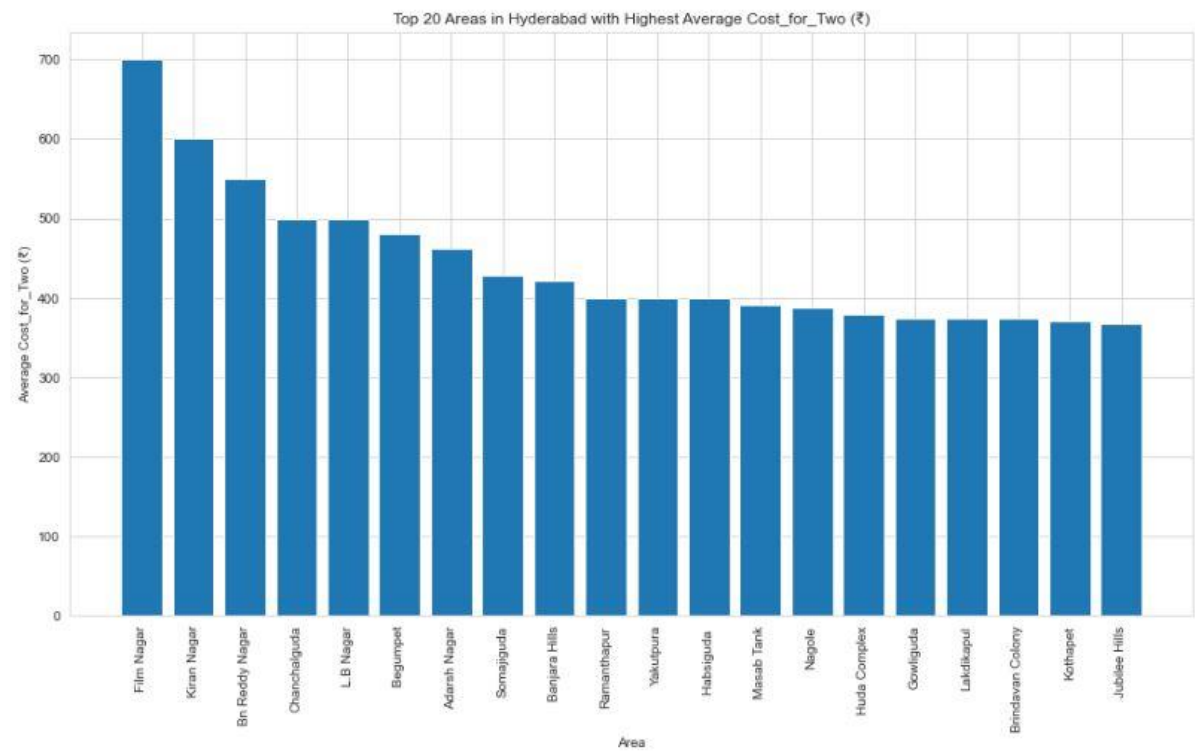


TOP CUISINES IN HYDERABAD

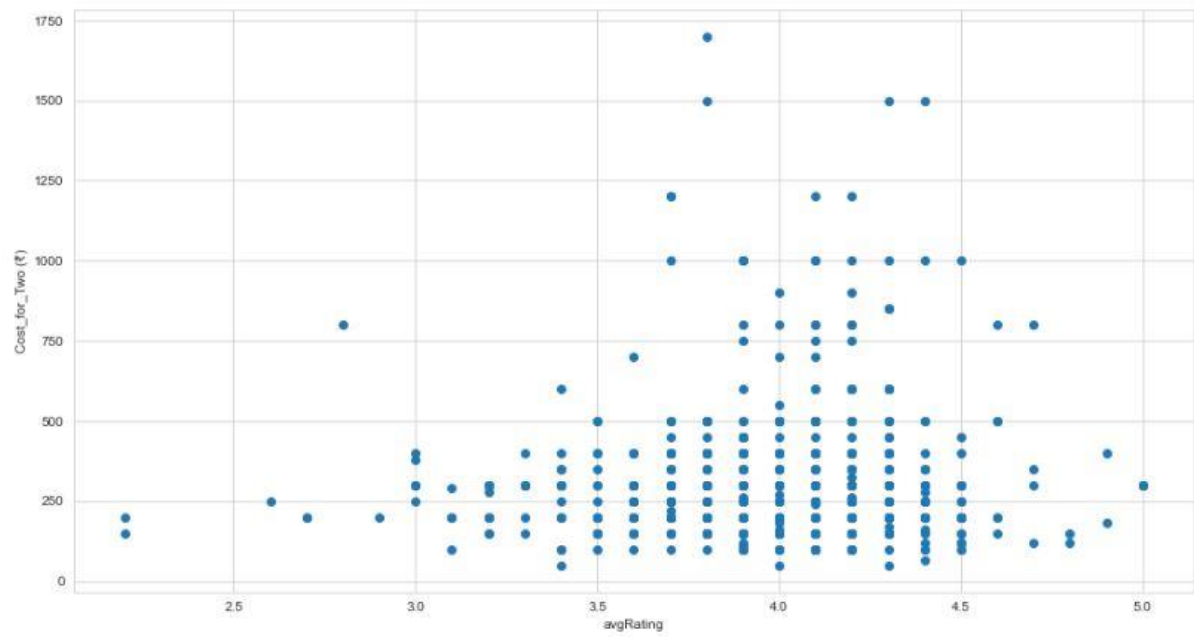
- South Indian



TOP 20 AREAS WITH HIGHEST AVERAGE COST FOR TWO

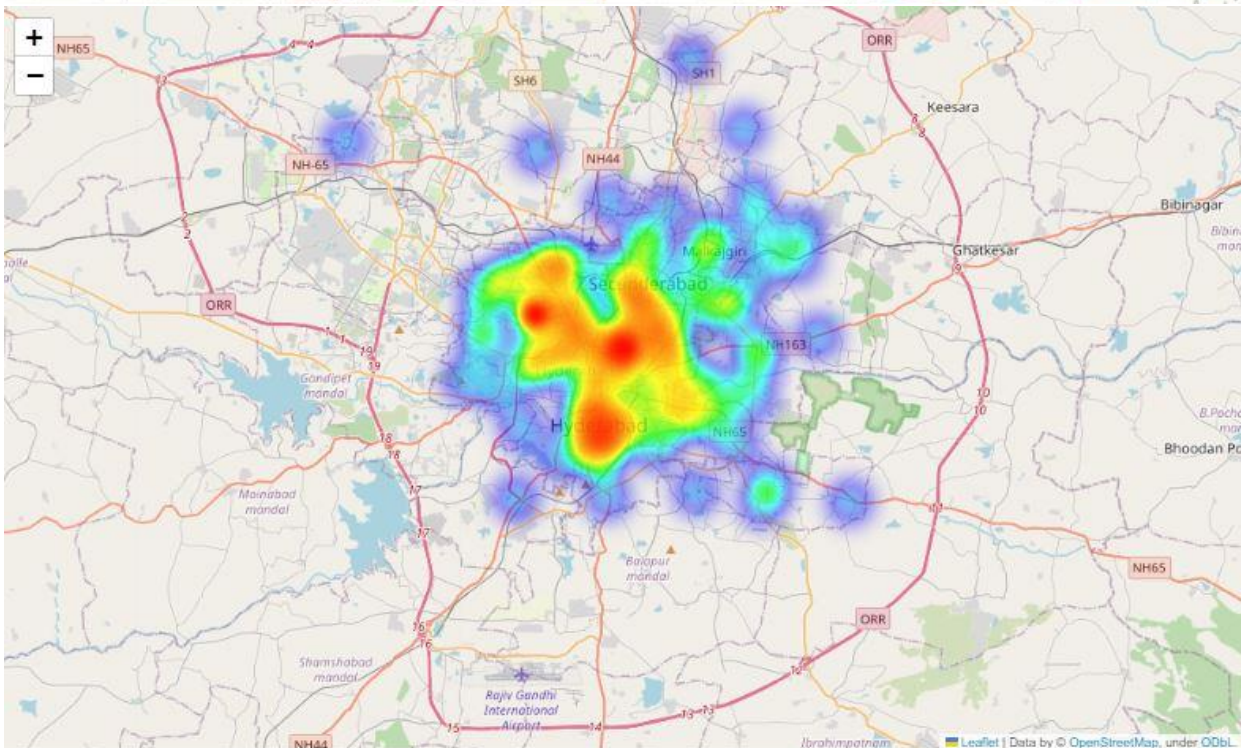
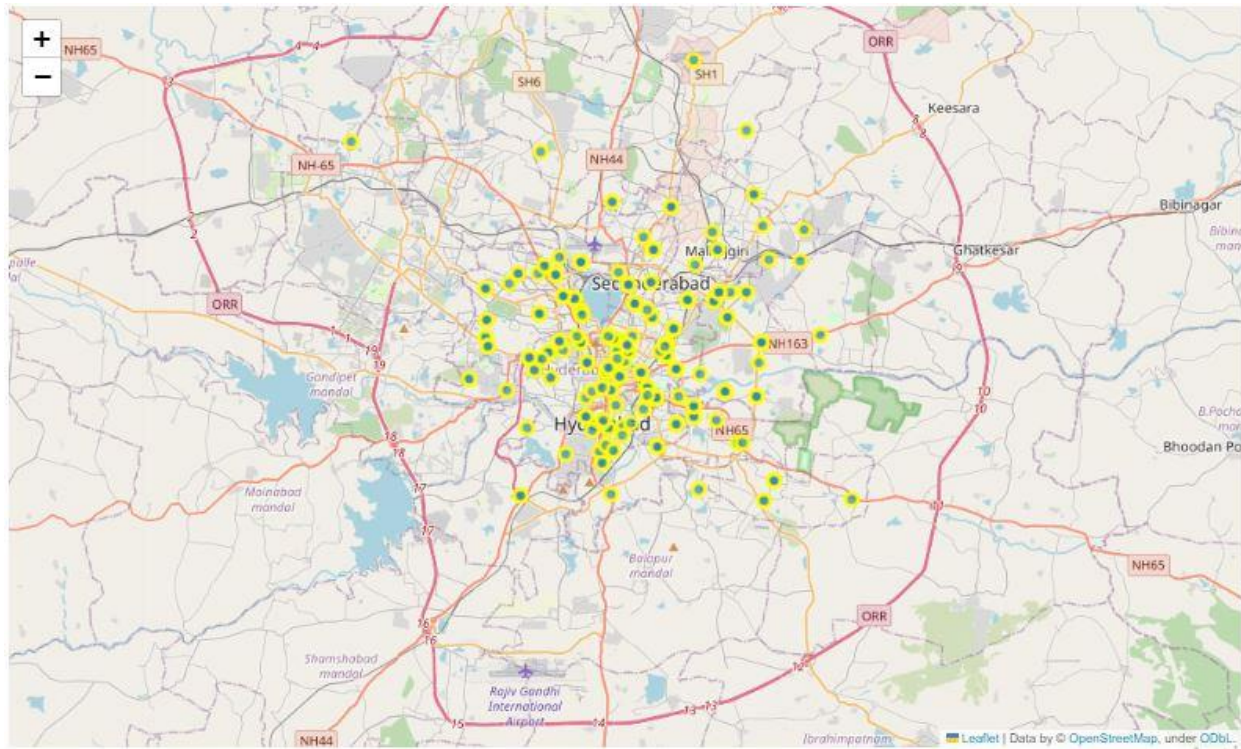


AVERAGE RATING VS COST FOR TWO





## HYDERABAD MAP WITH RESTAURANT DENSITY



# **ANALYSIS OF RESTUARANTS IN BANGALORE**



TOP 10 AREAS WITH HIGHEST NUMBER OF RESTUARENTS IN BANGALORE

1.

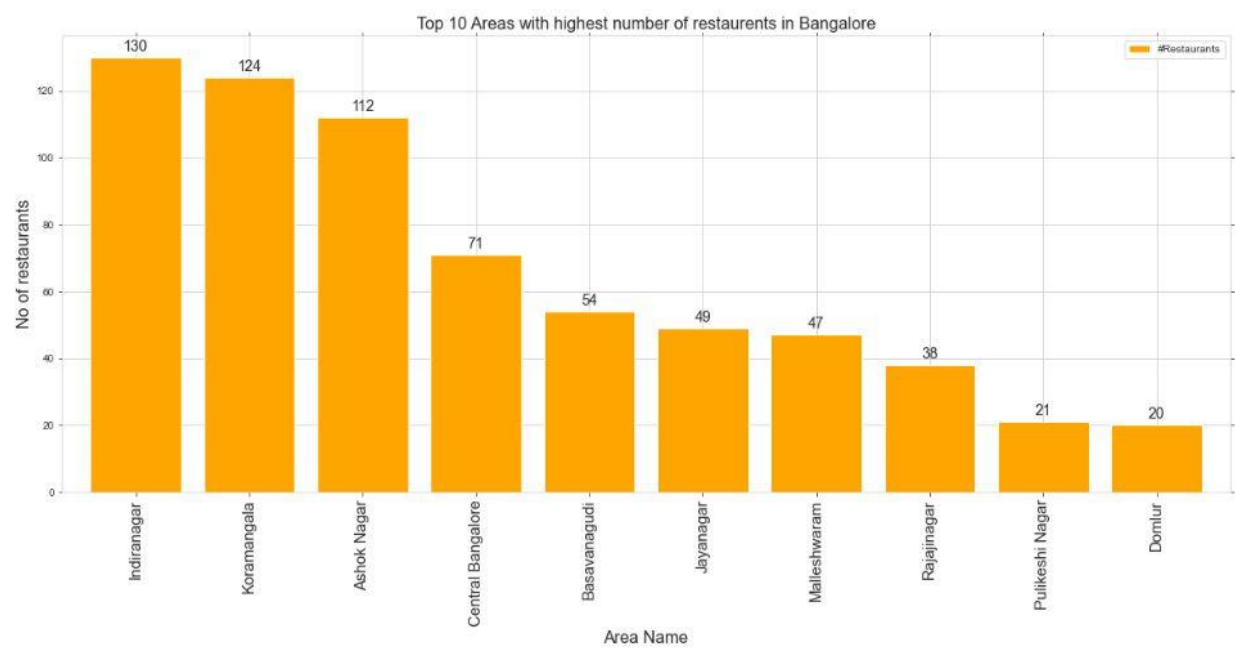
Indiranagar
2.

Koramangala
3.

Ashok Nagar
4.

Central Bangalore
5.

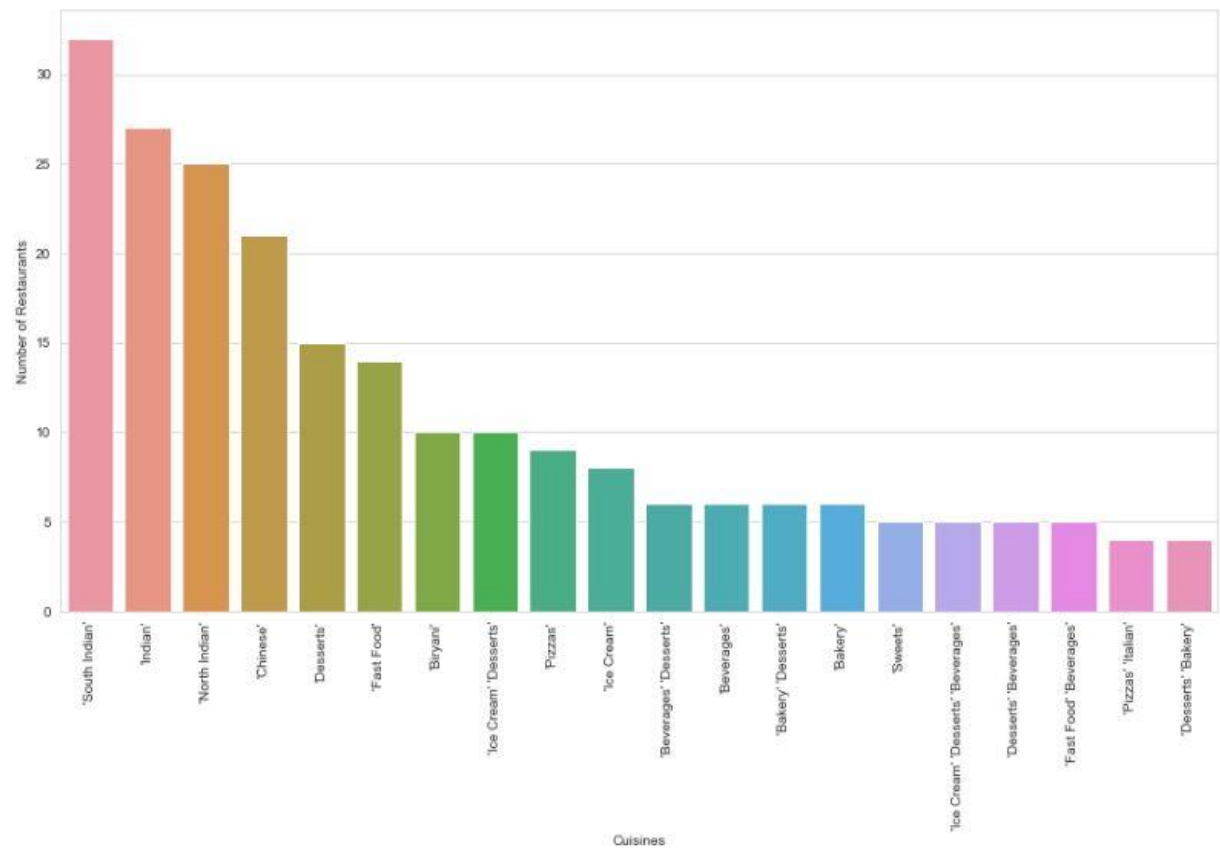
Basavanagudi



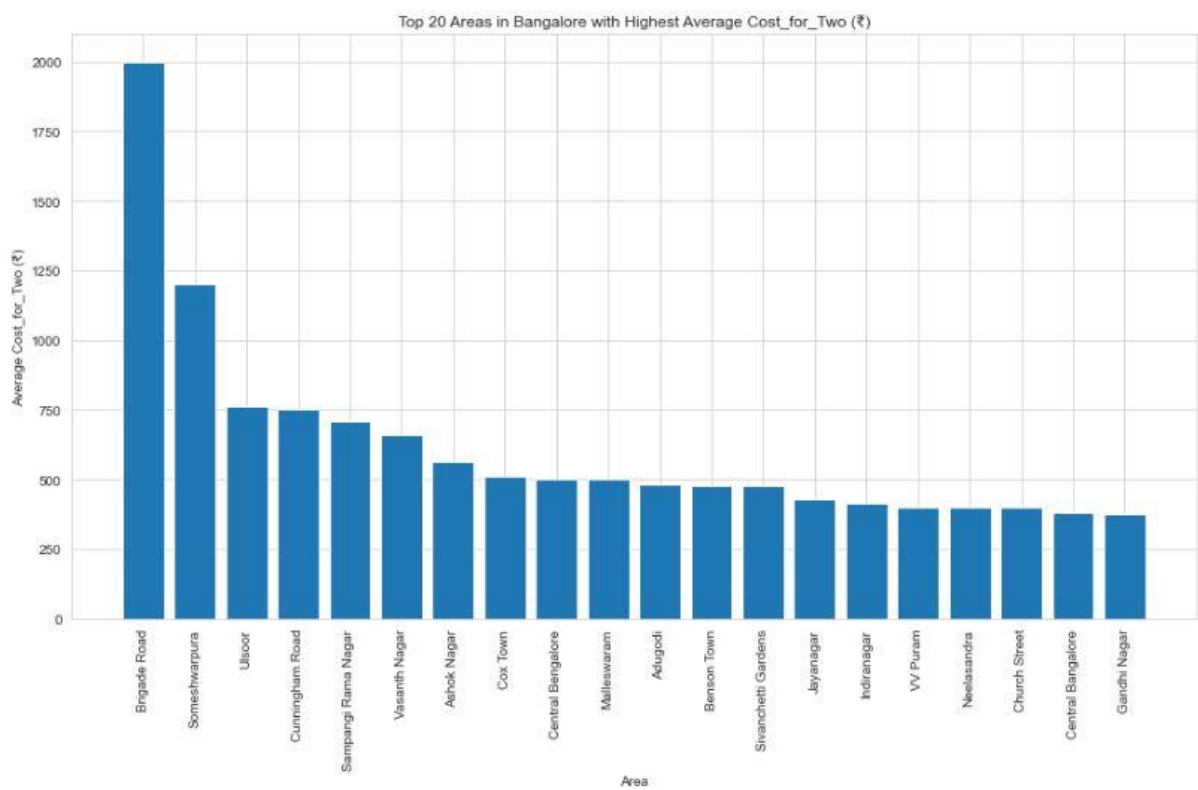
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TOP CUISINES IN BANGALORE

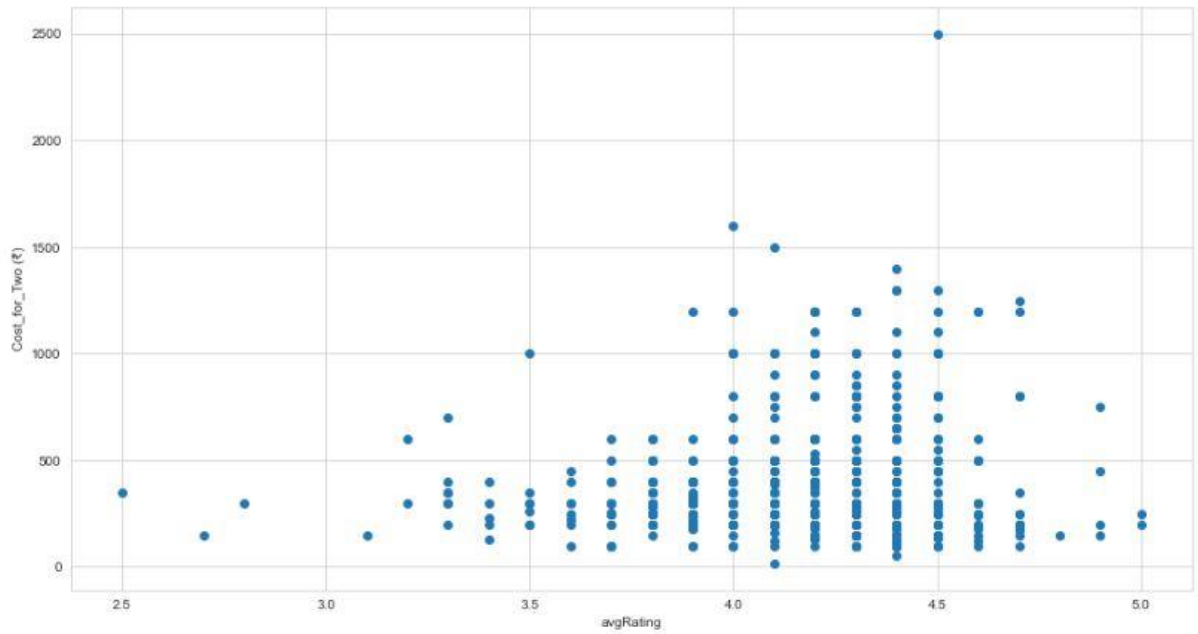
- South Indian



TOP 20 AREAS WITH HIGHEST AVERAGE COST FOR TWO

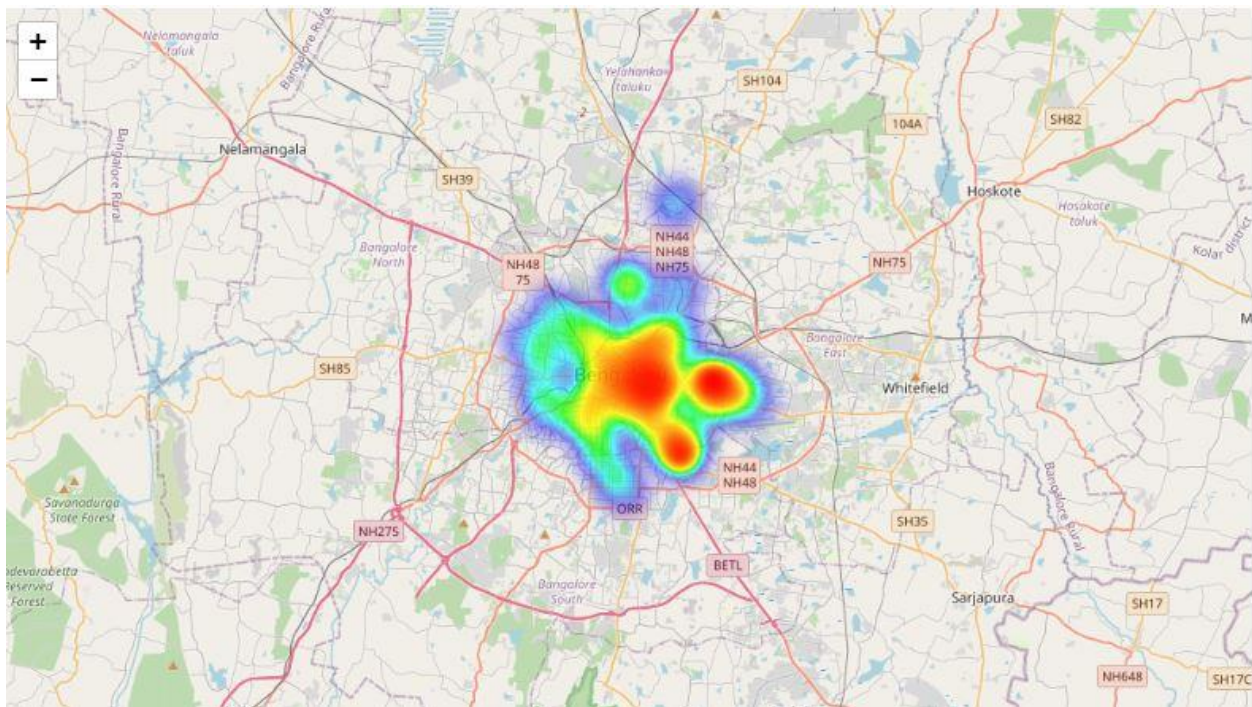
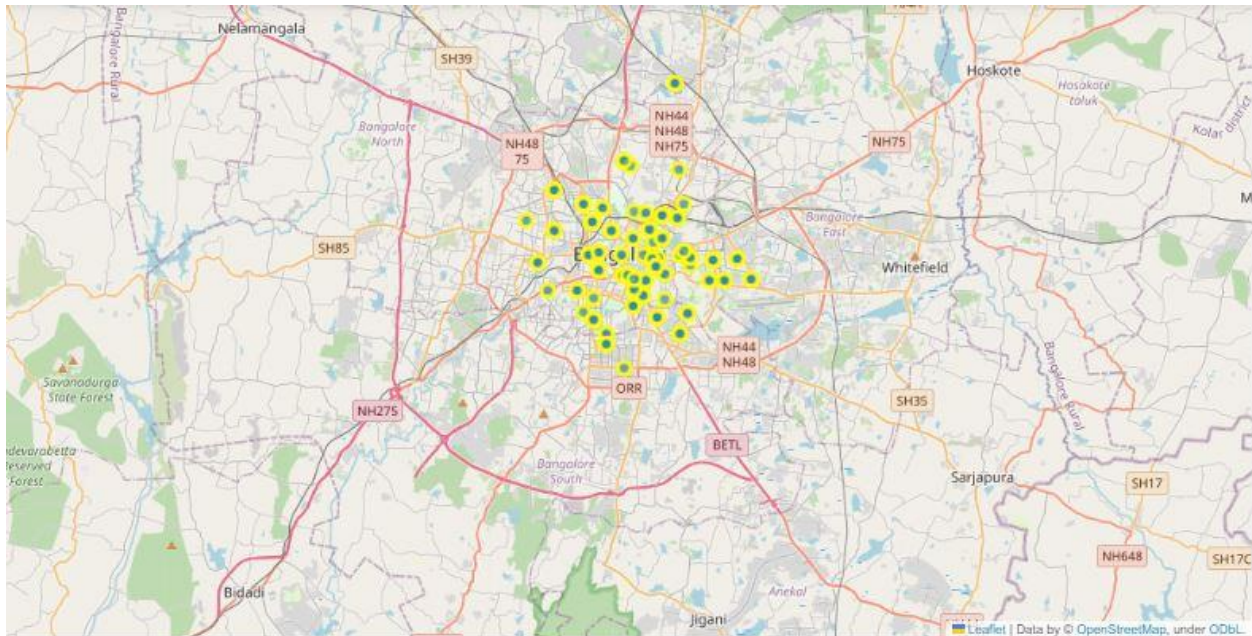


AVERAGE RATING VS COST FOR TWO





## BANGALORE MAP WITH RESTAURANT DENSITY

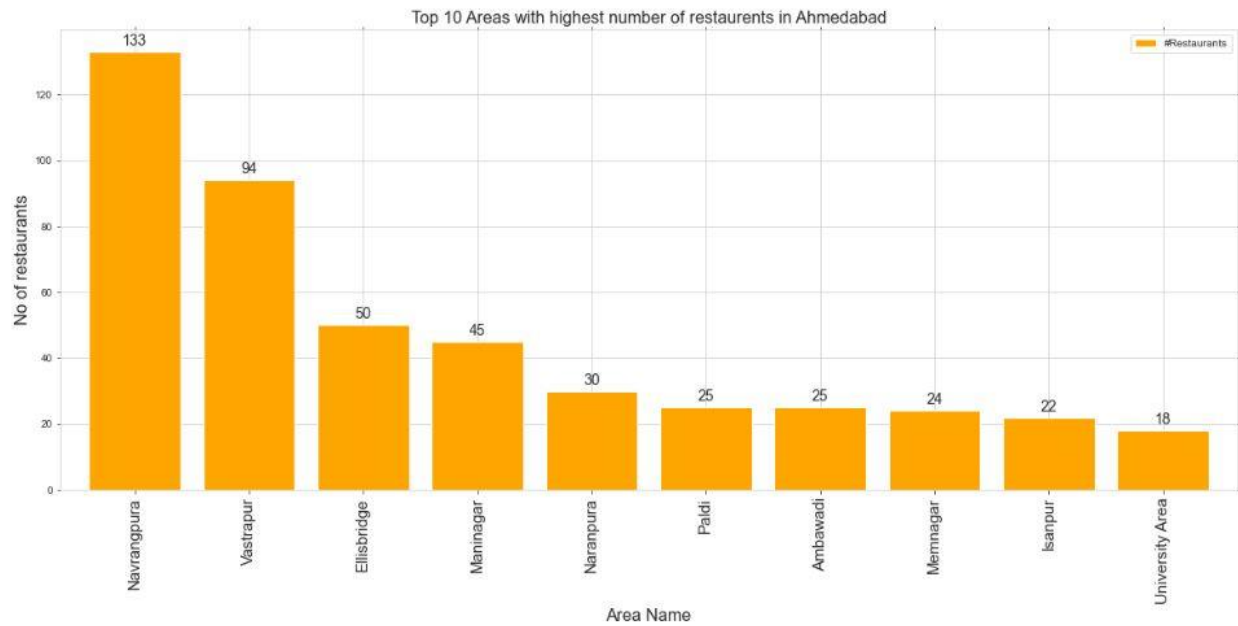


# **ANALYSIS OF RESTUARANTS IN AHMEDABAD**



## TOP 10 AREAS WITH HIGHEST NUMBER OF RESTUARANTS IN AHMEDABAD

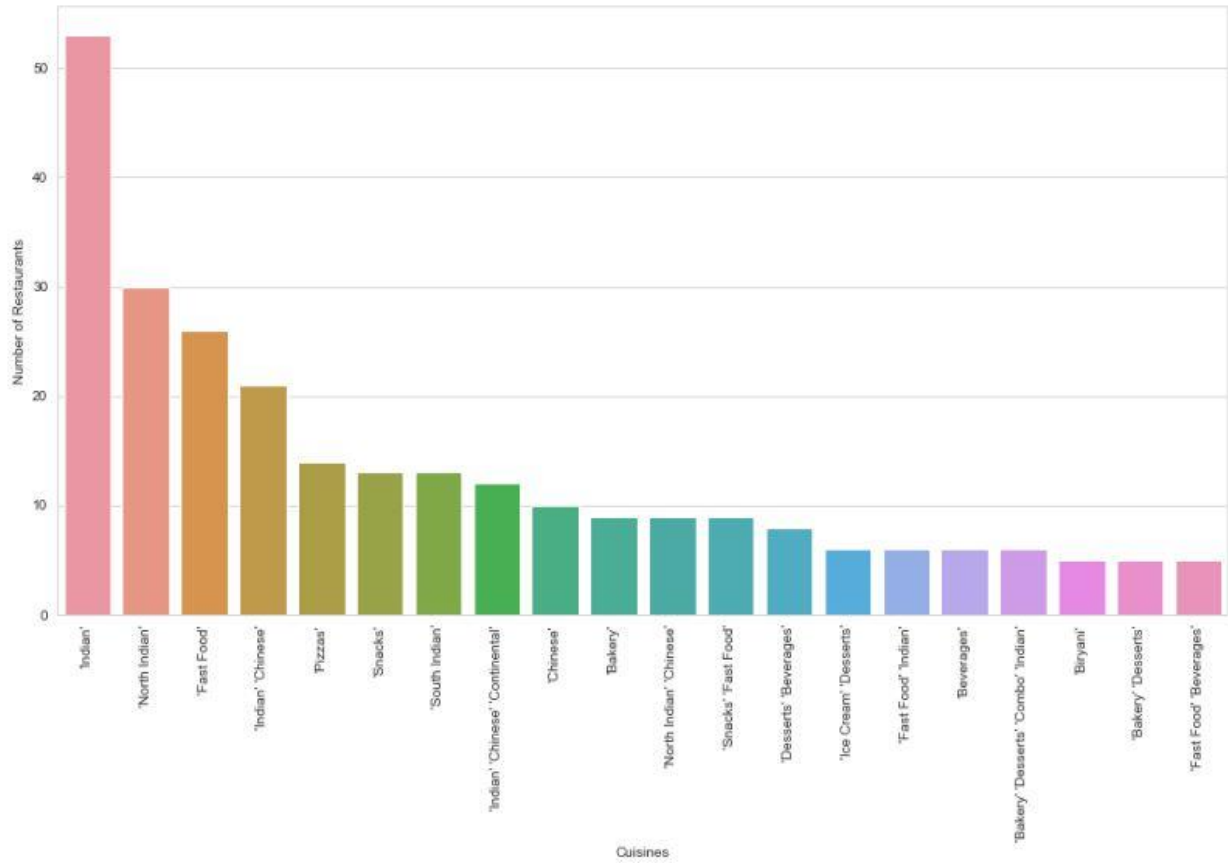
1. Navrangpura
2. Vastrapur
3. Ellisbridge
4. Maninagar
5. Naranpura



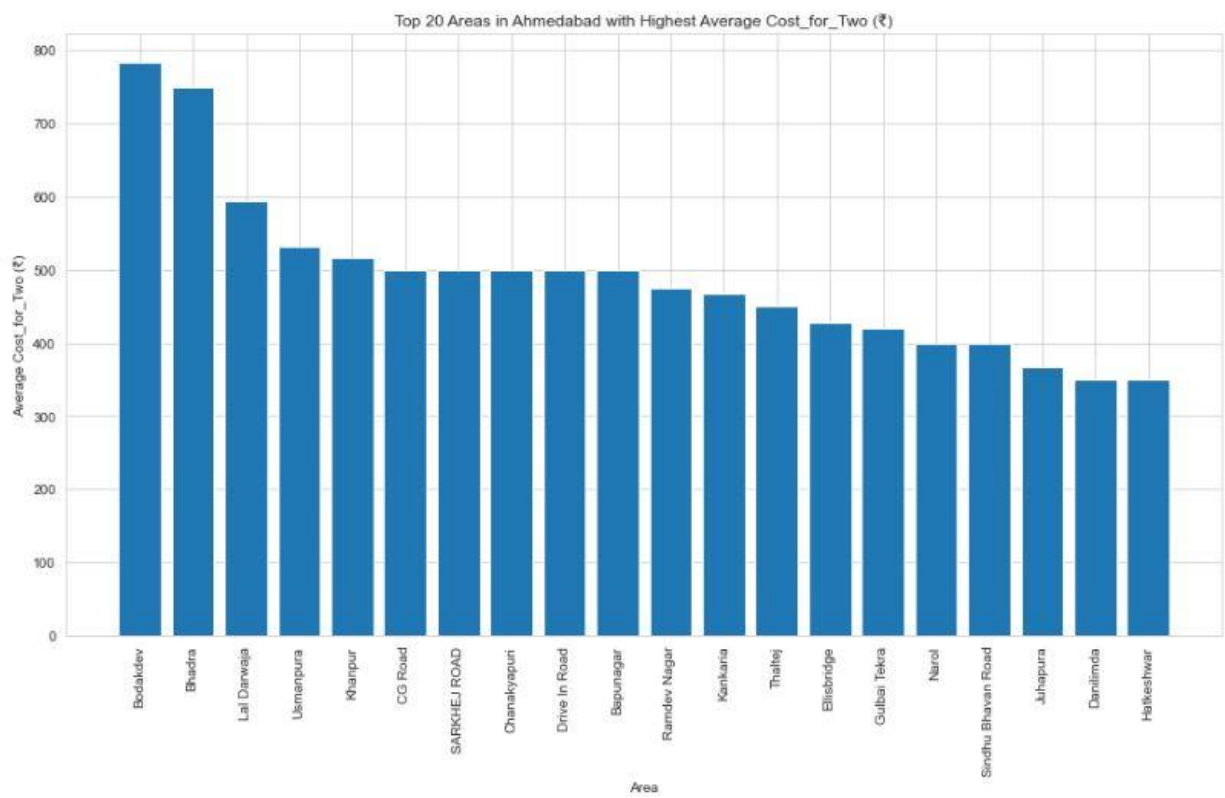
[illegible]

TOP CUISINES IN AHMEDABAD

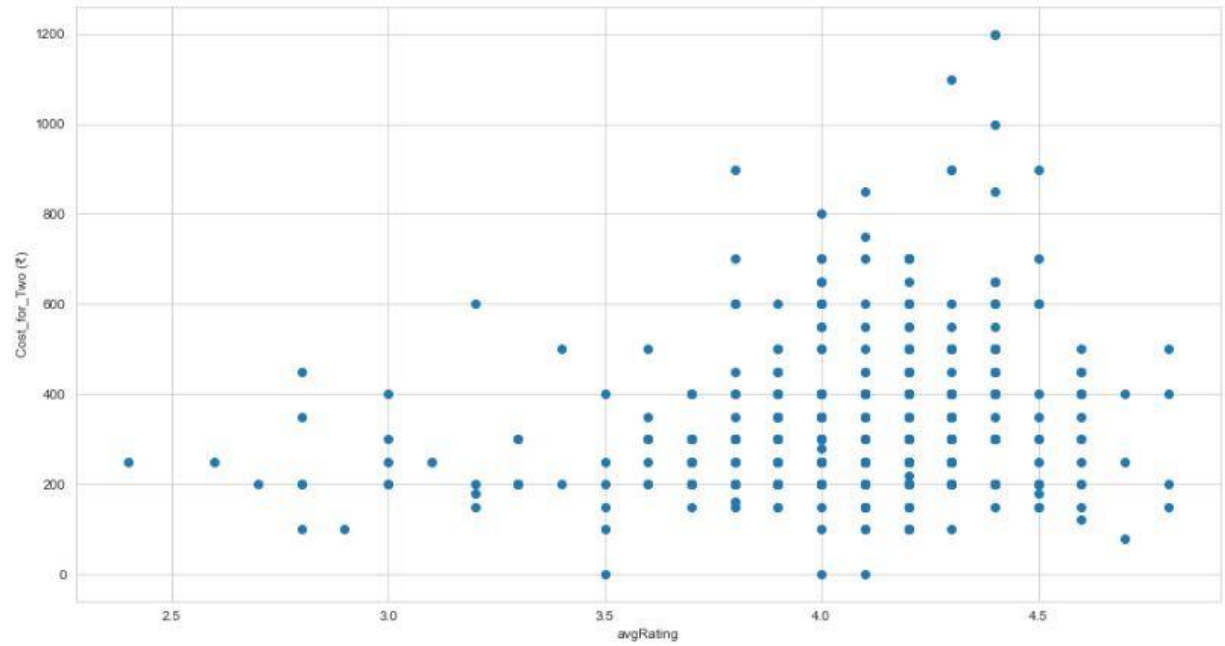
- Indian (North Indian)



TOP 20 AREAS WITH HIGHEST AVERAGE COST FOR TWO

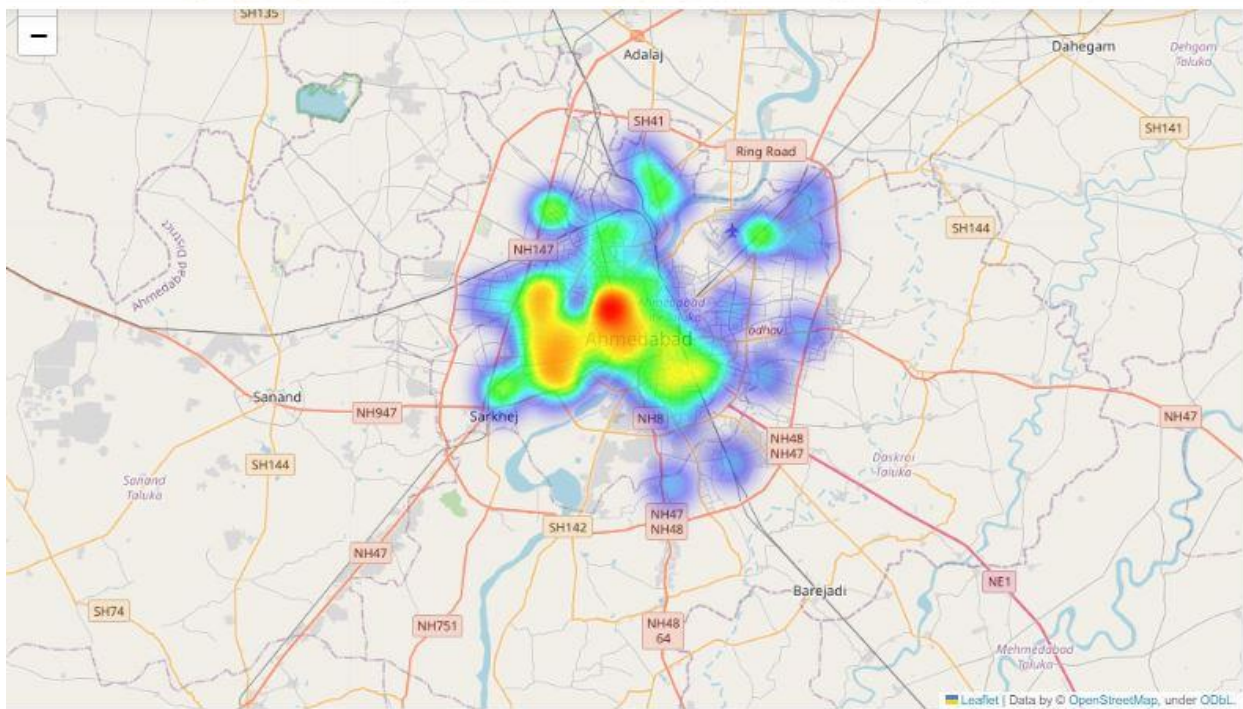
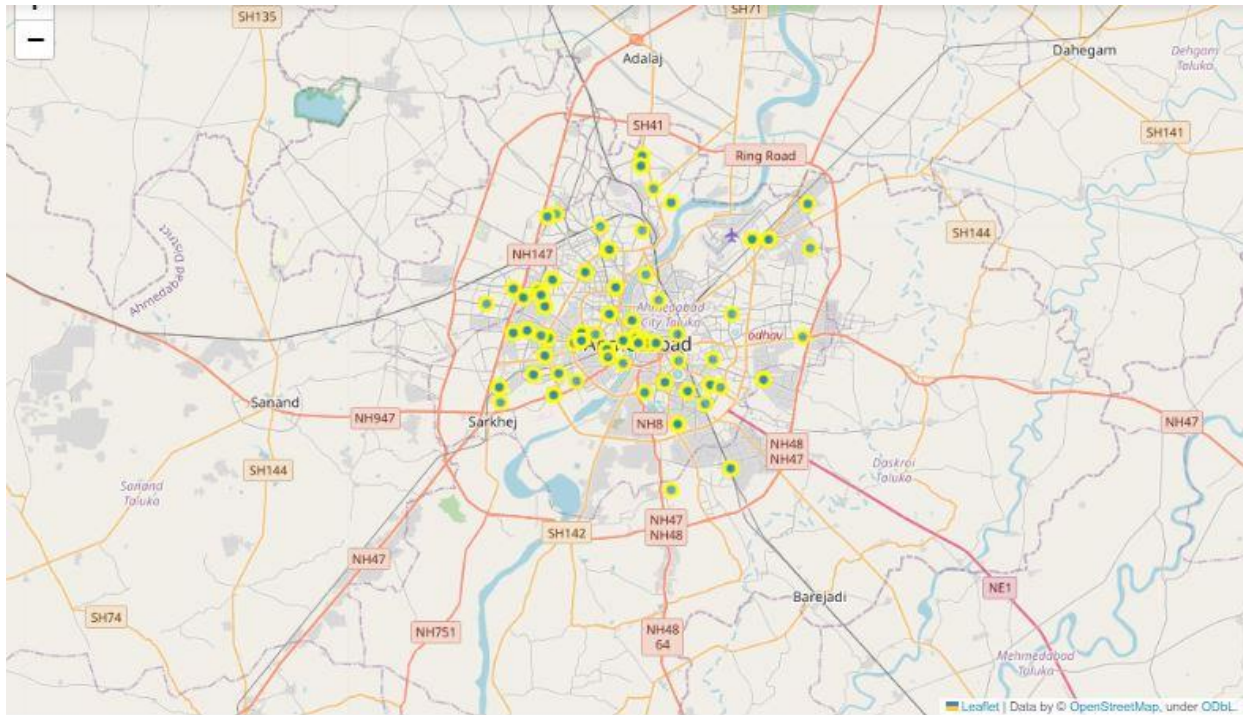


AVERAGE RATING VS COST FOR TWO





## AHMEDABAD MAP WITH RESTAURANT DENSITY

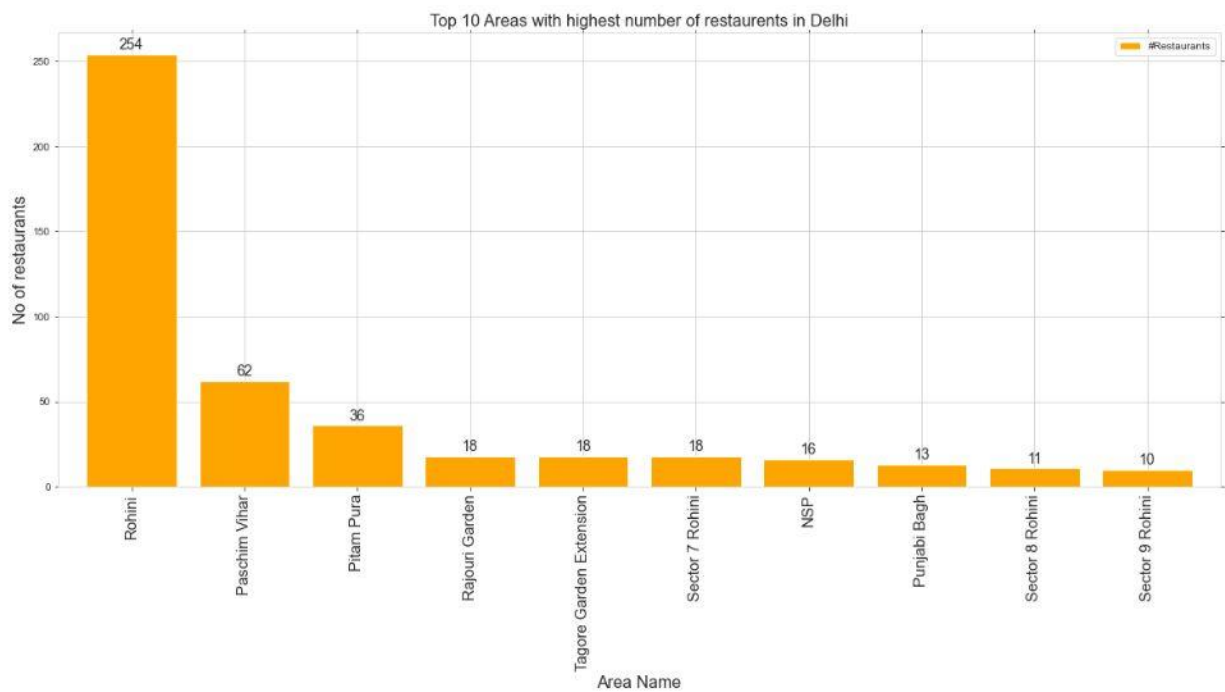


# **ANALYSIS OF RESTUARANTS IN DELHI**



## TOP 10 AREAS WITH HIGHEST NUMBER OF RESTUARANTS IN DELHI

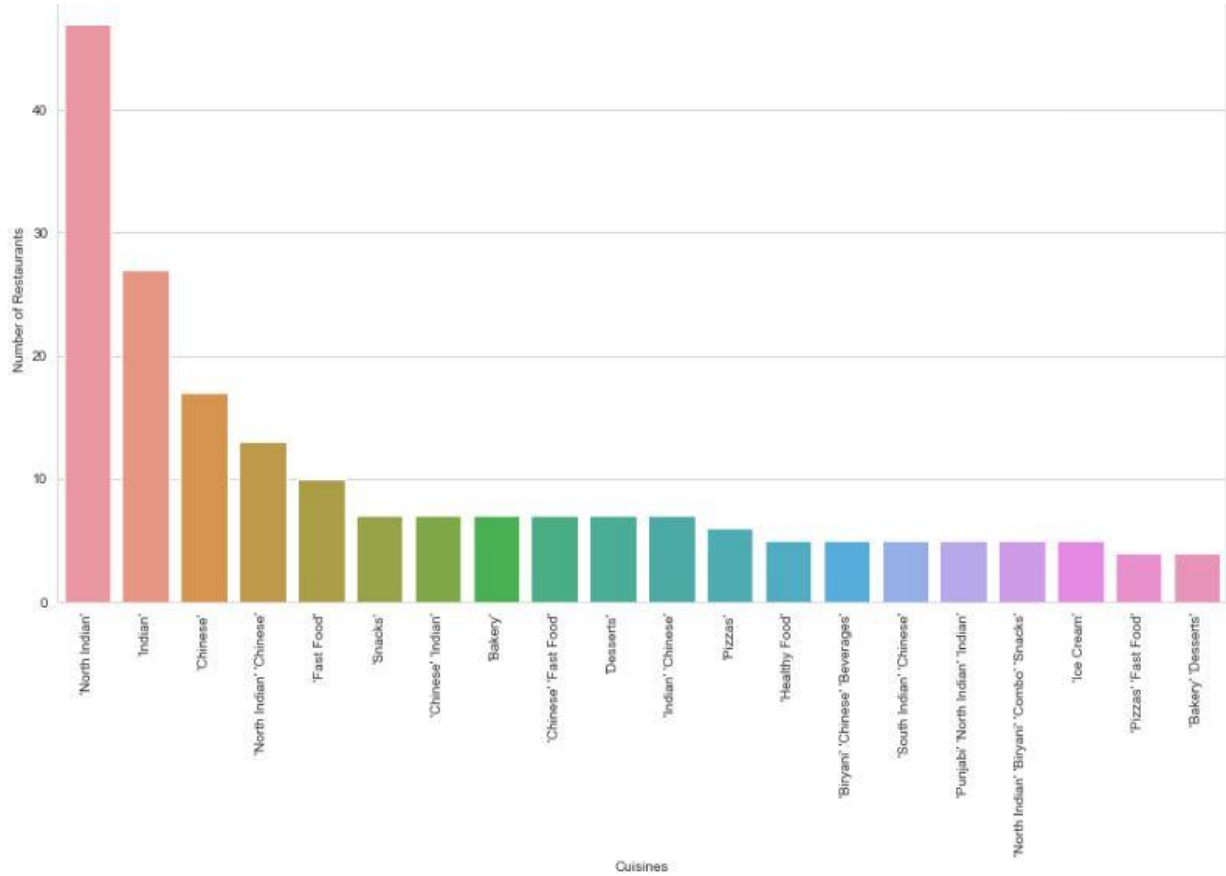
1. Rohini
2. Paschim Vihar
3. Pitam Pura
4. Rajouri Garden
5. Tagore Garden



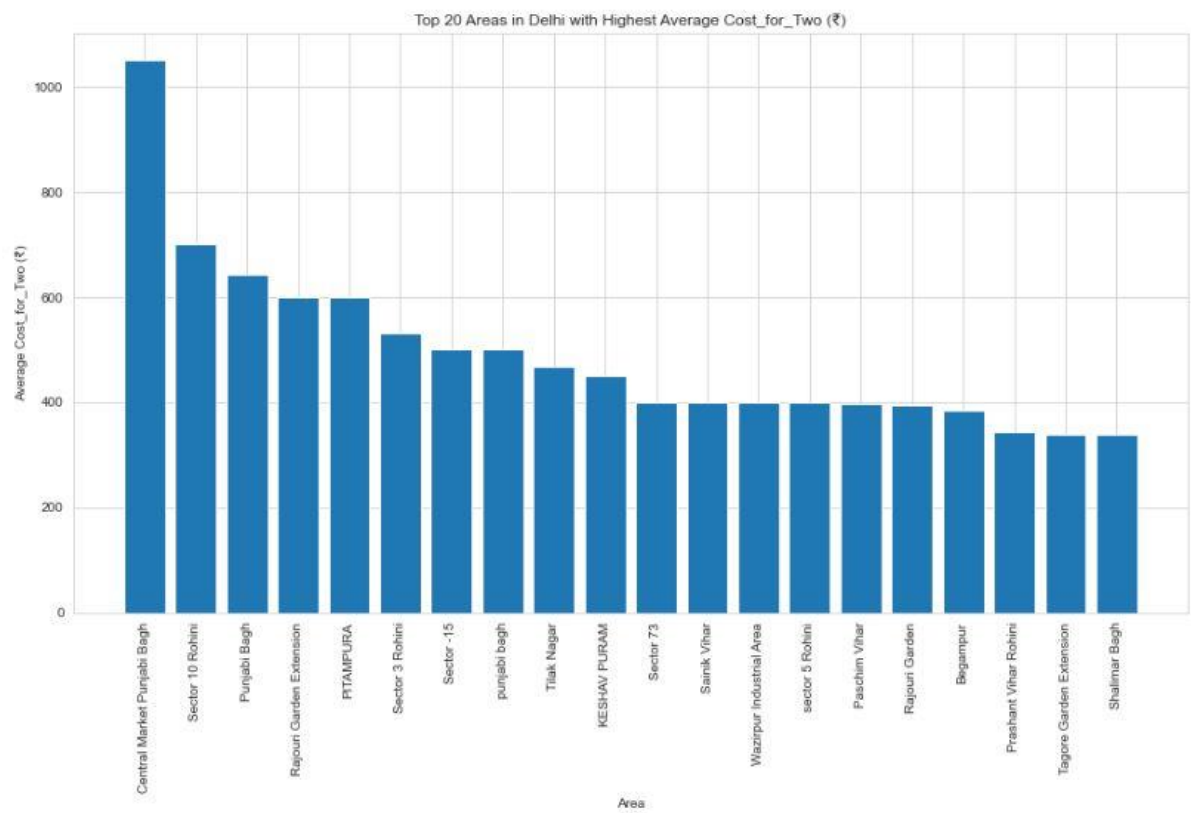
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TOP CUISINES IN DELHI

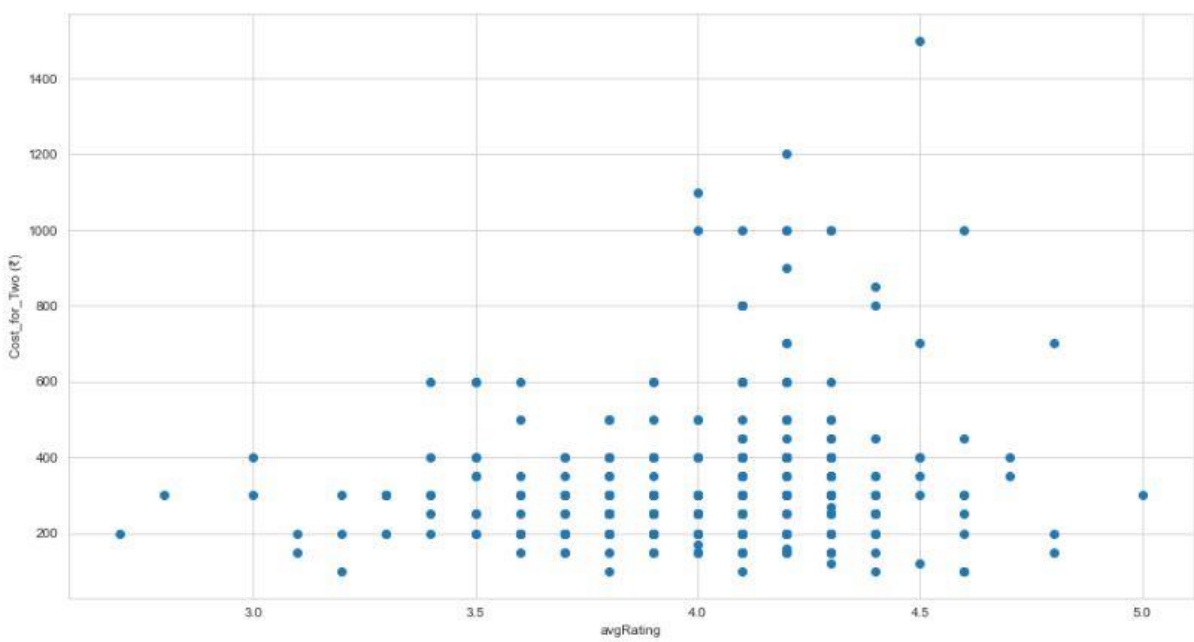
- Indian (North Indian)



TOP 20 AREAS WITH HIGHEST AVERAGE COST FOR TWO

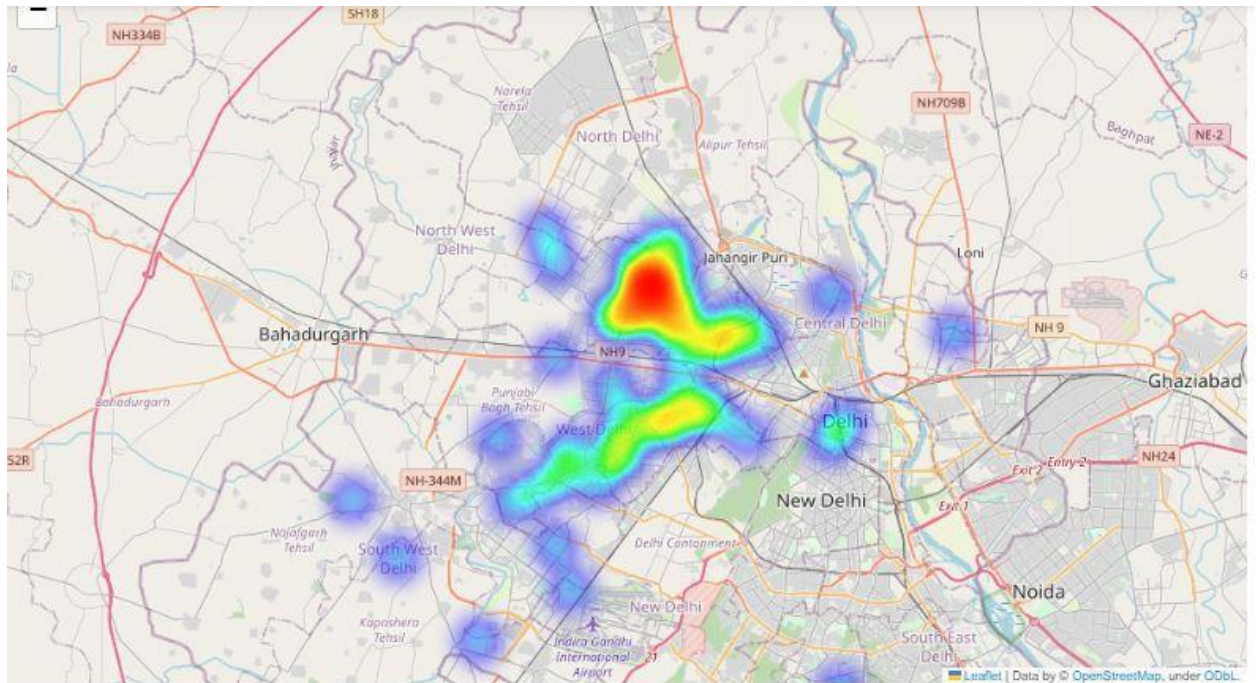
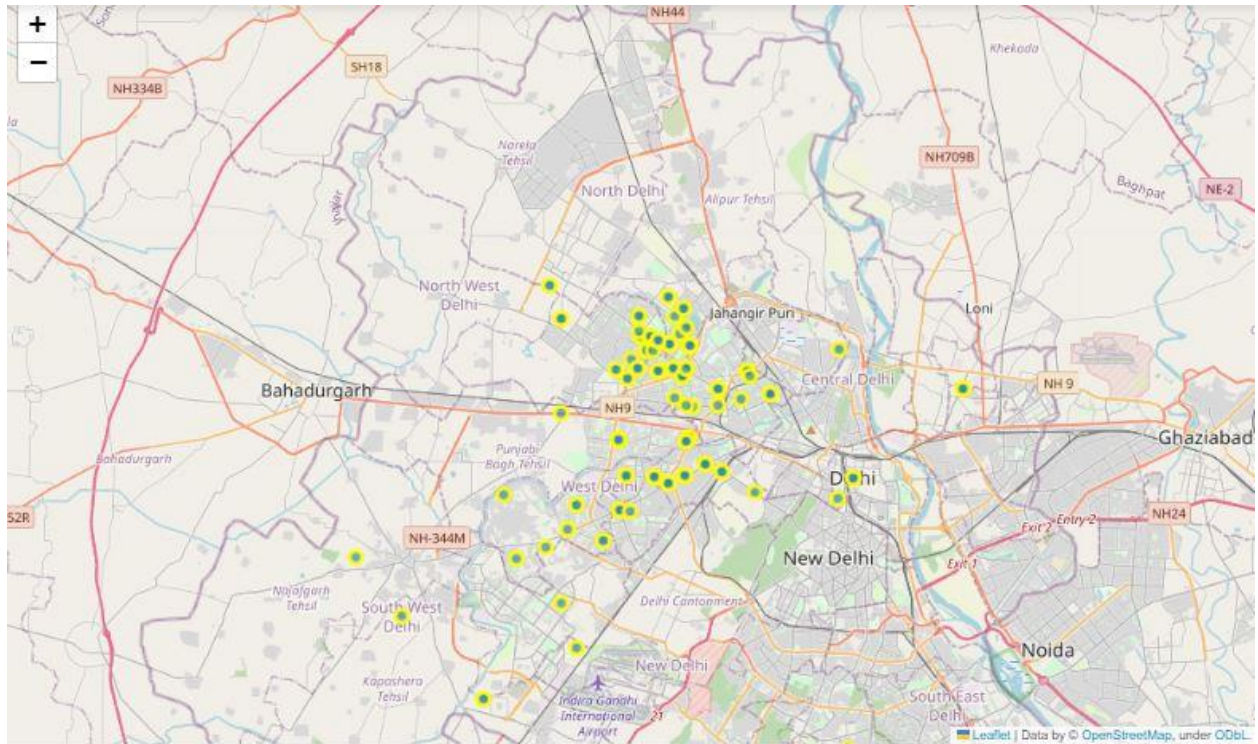


AVERAGE RATING VS COST FOR TWO





## DELHI MAP WITH RESTAURANT DENSITY

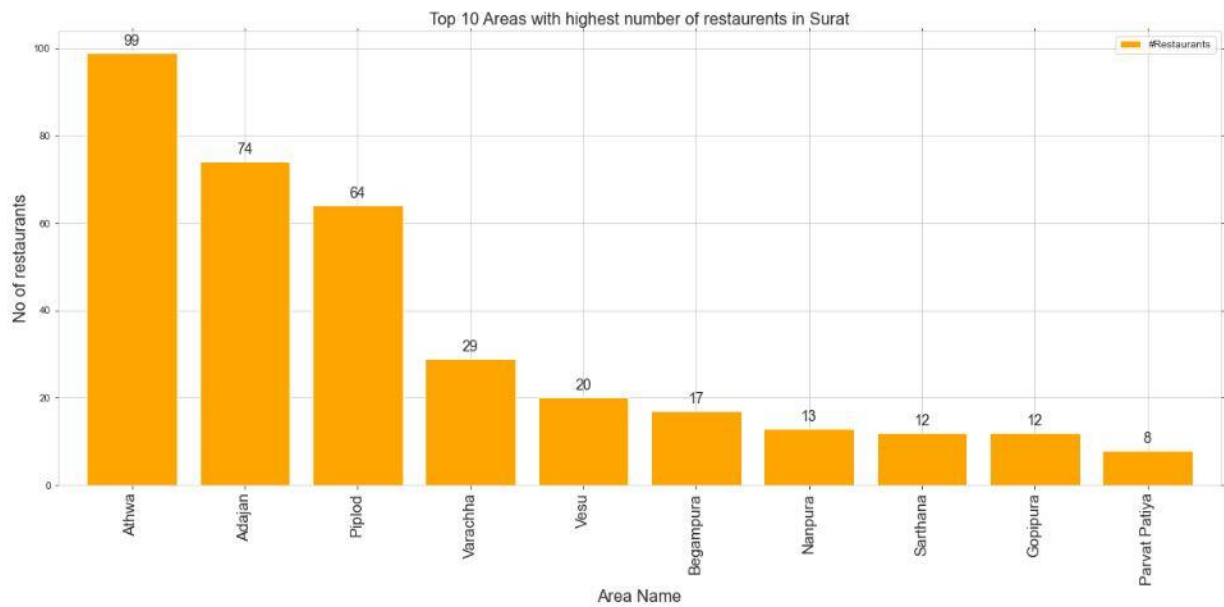


# **ANALYSIS OF RESTUARANTS IN SURAT**



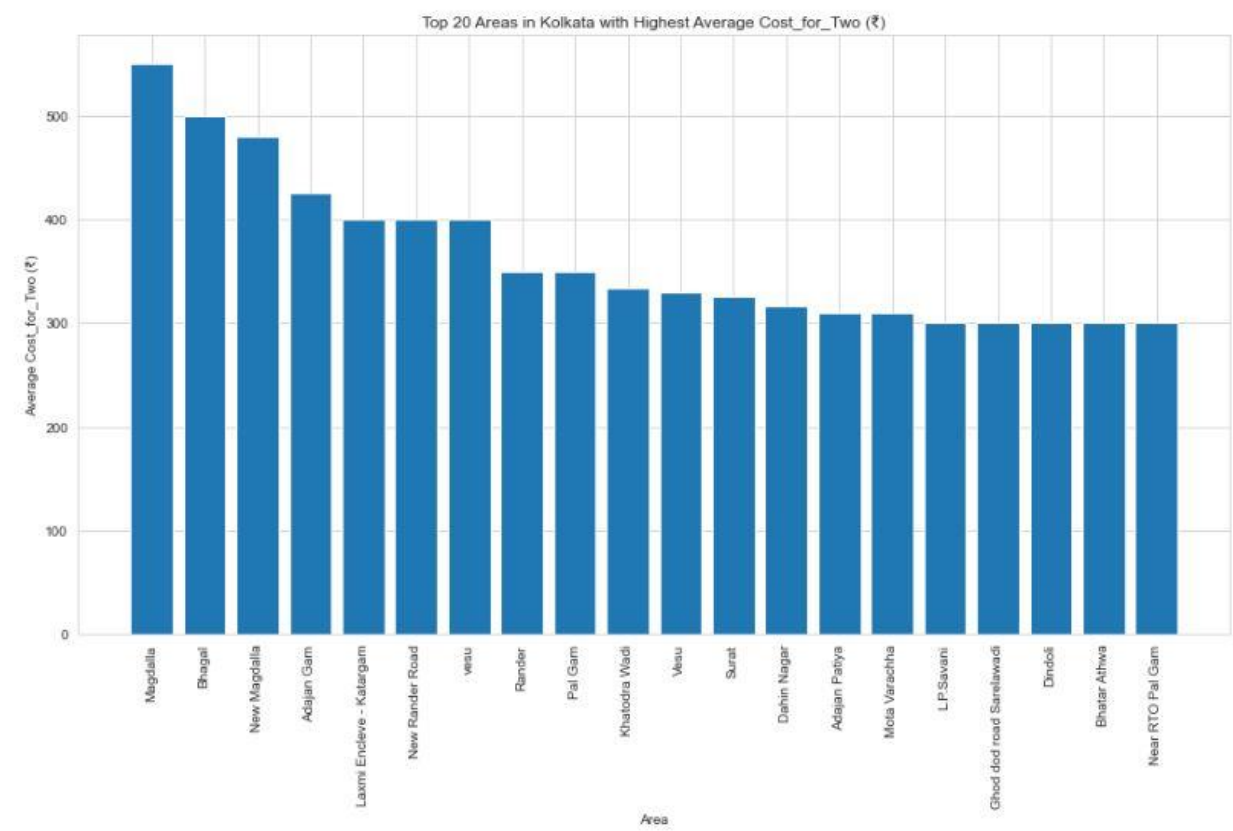
## TOP 10 AREAS WITH HIGHEST NUMBER OF RESTUARANTS IN SURAT

1. Athwa
2. Adajan
3. Piplod
4. Varachha
5. Vesu

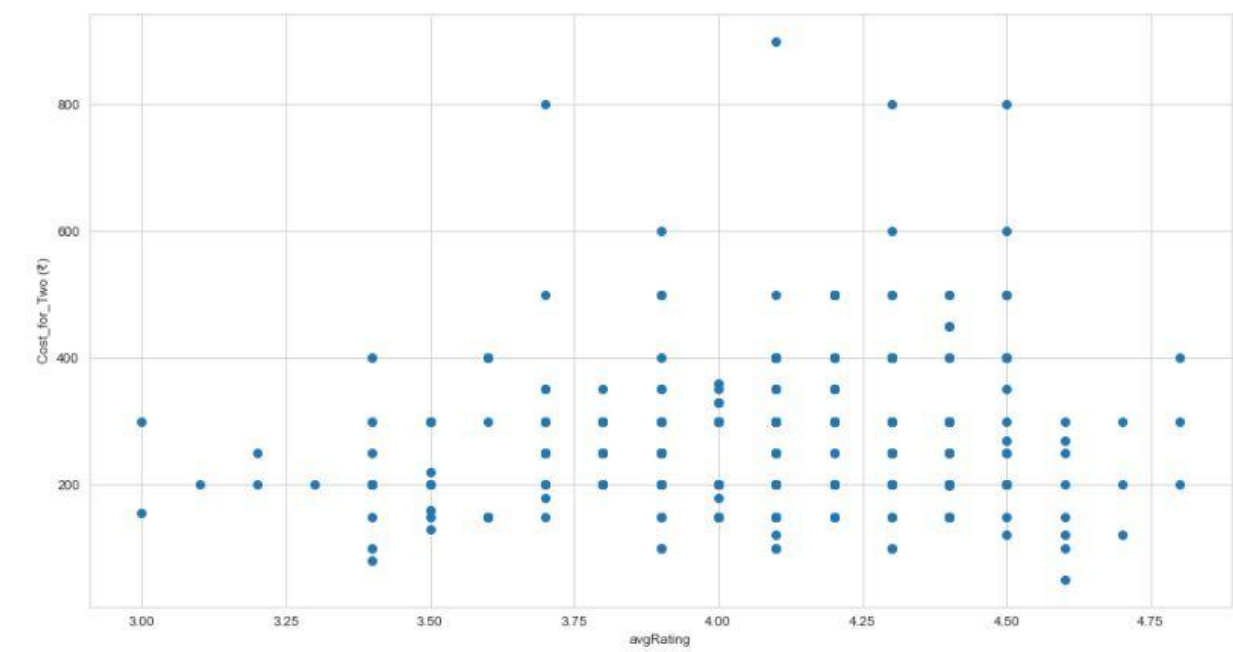


Binayak fast Food  
BACHELOR'S FOOD  
Sizzling Salsa  
Famous Fast Food  
Laxmi Food Inn  
Urban Royal Restaurant  
Super Tandoor  
Prabhu Egg Center  
MID NIGHT CHINESE  
Jani Locho & Khaman House  
Krazzy Chicken  
The Darygo Cake Shop  
Laxmi Dhosa Centre  
Desi Videsi - The Road Side Lounge  
The Veg Factory  
Spice Petals  
Ajays Takeaway Foods  
Wok On Fire  
MS FOOD  
Sobhis Diet Farm  
Pizza Da Dhaba  
Nanka Biryani Culture  
Punjabi Culture  
Bhandari Chakhna  
Chalman  
Punjabi & Chinese  
Natural Ice Cream  
Blue Basil  
Lijjat tawa fry  
Mahakali Dal Bati  
Cafe Ashiana  
AKSHAR VARNI PAVBHAI  
Shree Khodiyar Kathyawadi Dhaba  
Amdavadi Tawa fry  
Baba Omlet  
Sardar Ji Ka Dhaba  
The Food Parcel Point  
Shakes & Scoops Vesu  
STATUS CAFE & RESTAURANT  
Darshan Restaurant  
Hotel Maruti  
Krishna Bakery  
The Bakers Dozen  
Bro Sis Fast Food Corner  
Tit Bit Culture Multi cuisine Restaurant  
Exotic Locho & Khaman  
La Pino's Pizza  
Gayatri Bakery & Cake Shop  
Pure by Slurrp  
Nicks Kitchen  
Grover's Chinese  
JALARAM PAVBHAI CENTER  
Luxuria Cakes n Bakes  
Samosazz  
Hajoori's Kulfi  
Milk Palace  
Chakabhai Bhelwala  
Samosa  
The Bungalow Cafe  
Pasta Emotions 2  
Vaara Food Court  
Chalu Chino  
BS Mysore Dosa  
Ashish Restaurant-Katargam  
Nanjabi Dragon  
Narbernap Natsion  
Hotel Priya  
The New Shyam  
Siree  
Lazizets Raju Omlet  
JAY BHAVANI DRYFRUIT DISH GOLA  
The kafe castle  
Suresh (The Cafe) Restaurant  
The Galaxy Revolving Restaurant  
The Galaxy Juices & Shakes  
The Andure Bunnquets  
The Andure Bakery  
The Andure Restaurant  
The Andure Cafe  
The Andure Juice Bar  
The Andure Smoothie Bar  
The Andure Dessert Bar  
The Andure Drink Bar  
The Andure Food Bar  
The Andure Gift Bar  
The Andure Party Bar  
The Andure Wedding Bar  
The Andure Anniversary Bar  
The Andure Birthday Bar  
The Andure Christmas Bar  
The Andure New Year Bar  
The Andure Valentine's Bar  
The Andure Mother's Day Bar  
The Andure Father's Day Bar  
The Andure Teacher's Day Bar  
The Andure Doctor's Day Bar  
The Andure Nurse's Day Bar  
The Andure Police Officer's Day Bar  
The Andure Firefighter's Day Bar  
The Andure Soldier's Day Bar  
The Andure Astronaut's Day Bar  
The Andure Astronomer's Day Bar  
The Andure Botanist's Day Bar  
The Andure Chemist's Day Bar  
The Andure Geologist's Day Bar  
The Andure Historian's Day Bar  
The Andure Linguist's Day Bar  
The Andure Mathematician's Day Bar  
The Andure Musician's Day Bar  
The Andure Philosopher's Day Bar  
The Andure Scientist's Day Bar  
The Andure Sportsman's Day Bar  
The Andure Traveler's Day Bar  
The Andure Writer's Day Bar  
The Andure Artist's Day Bar  
The Andure Performer's Day Bar  
The Andure Entrepreneur's Day Bar  
The Andure Businessman's Day Bar  
The Andure Lawyer's Day Bar  
The Andure Doctor's Day Bar  
The Andure Nurse's Day Bar  
The Andure Police Officer's Day Bar  
The Andure Firefighter's Day Bar  
The Andure Soldier's Day Bar  
The Andure Astronaut's Day Bar  
The Andure Astronomer's Day Bar  
The Andure Botanist's Day Bar  
The Andure Chemist's Day Bar  
The Andure Geologist's Day Bar  
The Andure Historian's Day Bar  
The Andure Linguist's Day Bar  
The Andure Mathematician's Day Bar  
The Andure Musician's Day Bar  
The Andure Philosopher's Day Bar  
The Andure Scientist's Day Bar  
The Andure Sportsman's Day Bar  
The Andure Traveler's Day Bar  
The Andure Writer's Day Bar  
The Andure Artist's Day Bar  
The Andure Performer's Day Bar  
The Andure Entrepreneur's Day Bar  
The Andure Businessman's Day Bar  
The Andure Lawyer's Day Bar

TOP 20 AREAS WITH HIGHEST AVERAGE COST FOR TWO



AVERAGE RATING VS COST FOR TWO



## SURAT MAP WITH RESTAURANT DENSITY

