

Capstone Project

The Battle of Neighbourhoods

1.0.1 Introduction

Hands down, food has its own way of getting someone to trip over heels, making them drool, dream and munch. Hands down, food has its own way of getting someone to trip over heels, making them drool, dream and munch. And while some say that their heart beats for food, why not get close to the heart of India, Delhi is like a buffet of some of the best mouth-watering food that can be found anywhere else. Whether it's the narrow streets of old Delhi where vendors mix different flavors, the overcrowded bazaars of central and southern Delhi where the aroma of food can pull you in from kilometers away or the posh restaurants around Delhi that boast of their authenticity, there's plenty to catch up with when in Delhi.

Business Problem

New Delhi City has many restaurants, each of which belongs to various categories such as Chinese, Italian, French, etc. So we will list and visualize all major parts of New Delhi City as part of this project.

Points to note:

- Famous places for Chinese food
- Maximum Chinese Restaurants
- Least Number of Chinese Restaurants
- Recommended place to stay if someone prefers Chinese Food
- Places with reputed restaurants in New Delhi

1.0.2 Data

For this project we need the following data :

New Delhi Restaurants data that contains list Locality, Restaurant name, Rating along with their latitude and longitude.

Datasource:

<https://www.kaggle.com/shrutimehta/zomato-restaurants-data> : Zomato kaggle dataset

Description : This data set contains the required information. And we will use this data set to explore various locality of new Delhi city.

Nearby places in each locality of new Delhi city.

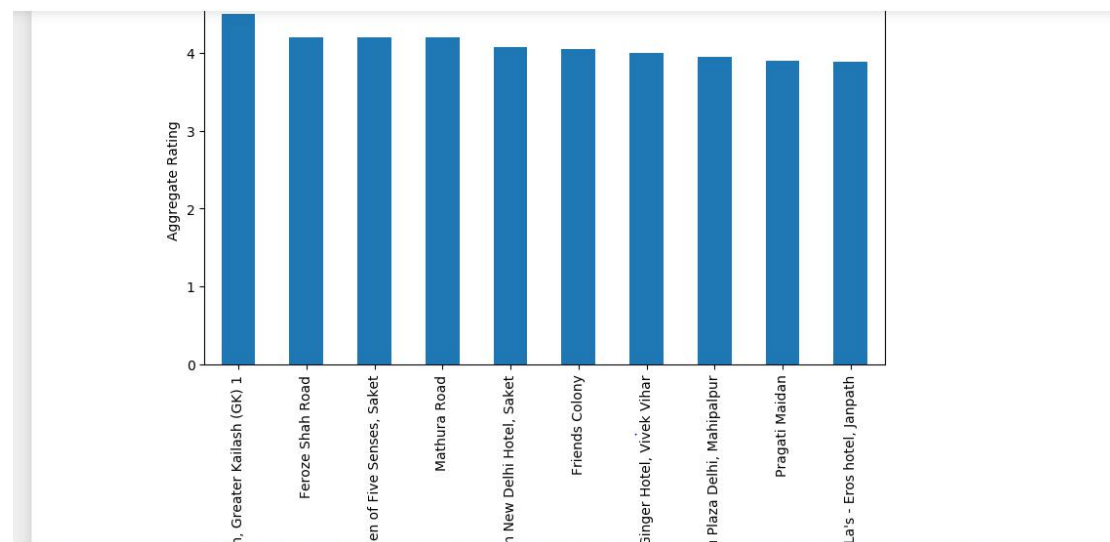
Data source : <https://developer.foursquare.com/> Foursquare API
Description : By using this api we will get all the venues in each neighborhood.

1.0.3 Approach

- Collect the new delhi city data from Zomato kaggle dataset
- Using FourSquare API we will find all venues for each neighborhood.
- Filter out all venues that are nearby by locality.
- Using aggregative rating for each restaurant to find the best places.
- Visualize the Ranking of neighborhoods using folium library(python)

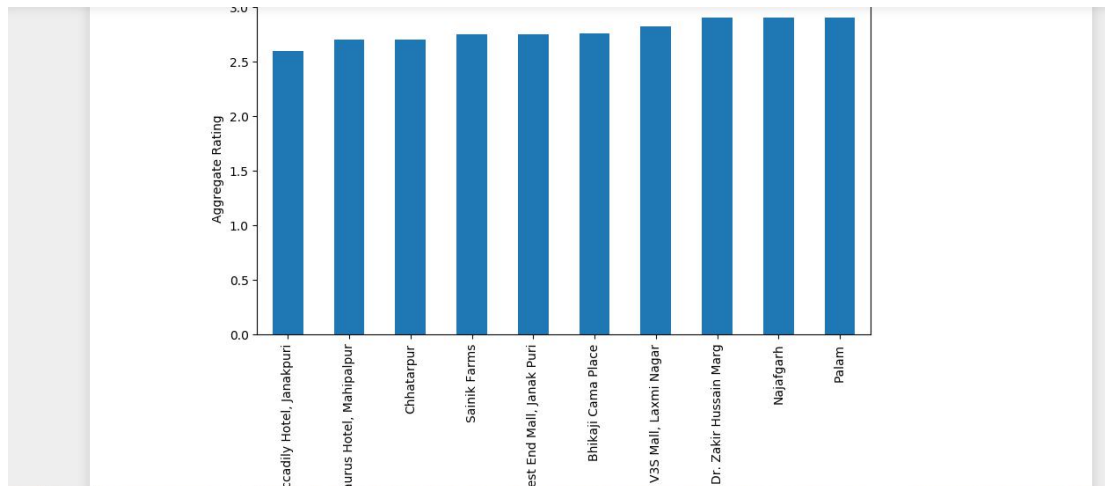
Methodology:

1.3 What places have best restaurant in New Delhi?



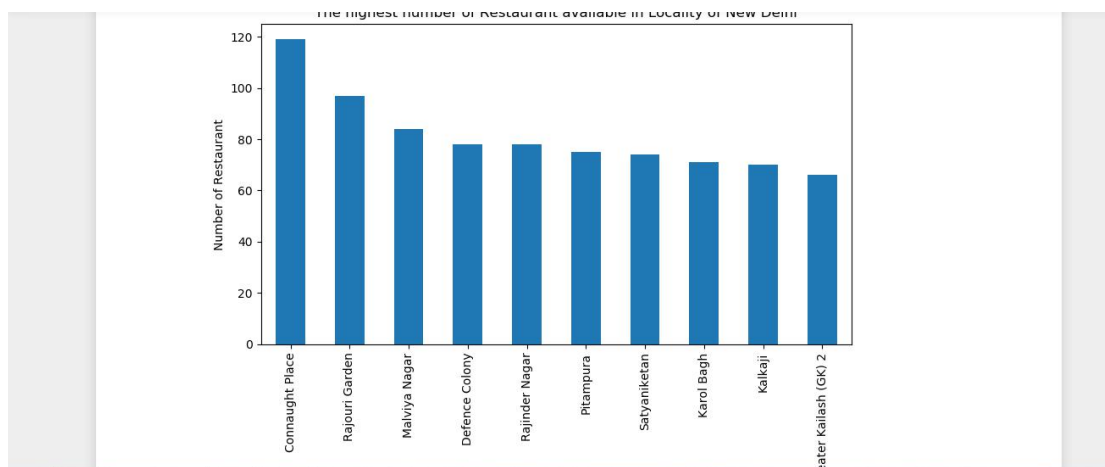
The best restaurants are available in Kesbah, Greater Kailash area.

What places have least rating restaurants in New Delhi?



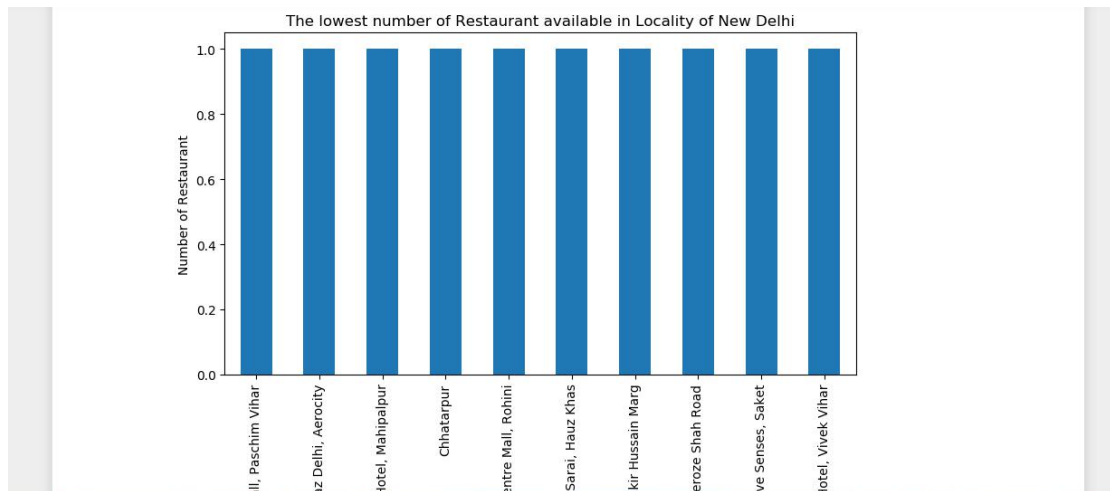
The worst restarants are available in Piccadily Hotel, Janakpuri.

1.5 Which place are suitable for edible person in New Delhi city?

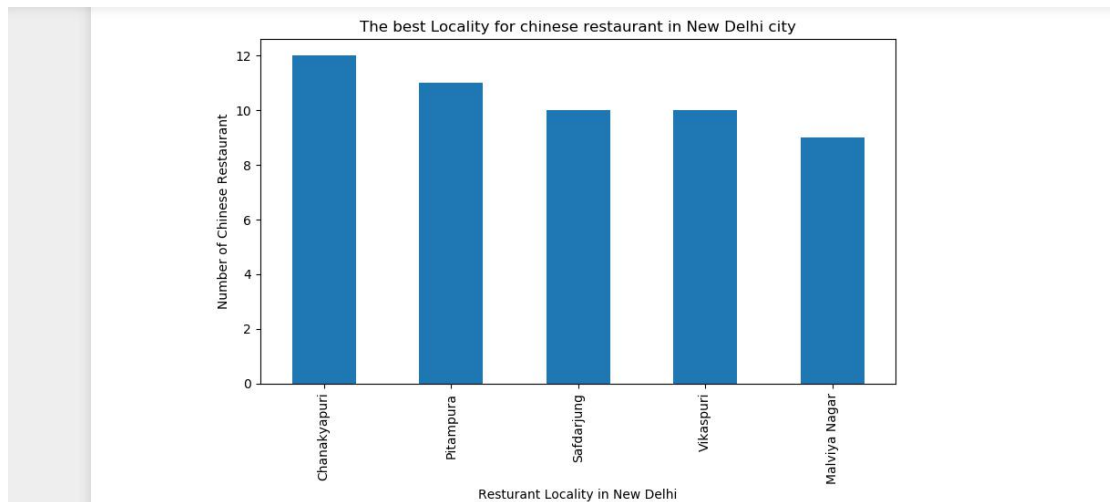


Connaught Place is the best places for edible person to stay there.

1.6 Which place are not suitable for edible person in New Delhi city?

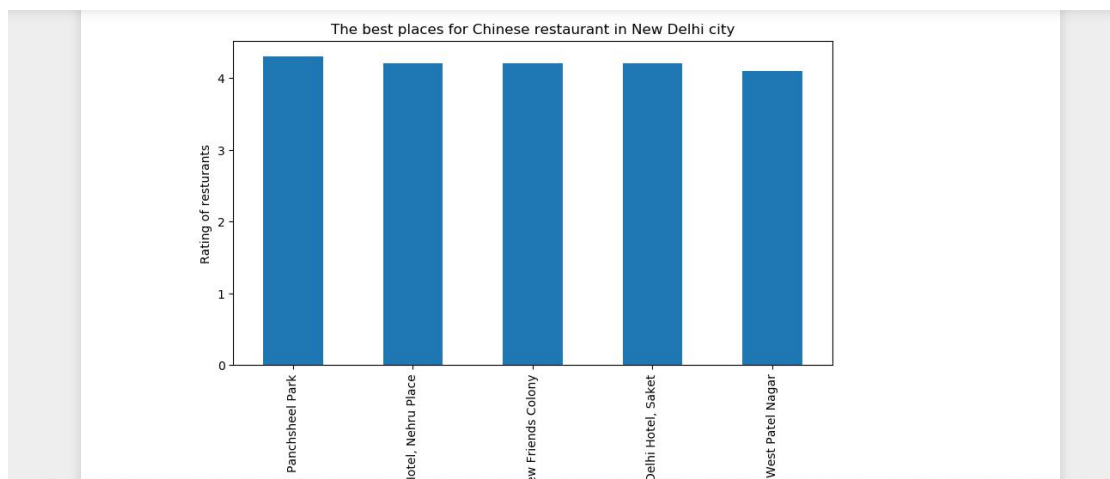


1.7 What are the best places for chinese restaurant in New Delhi city



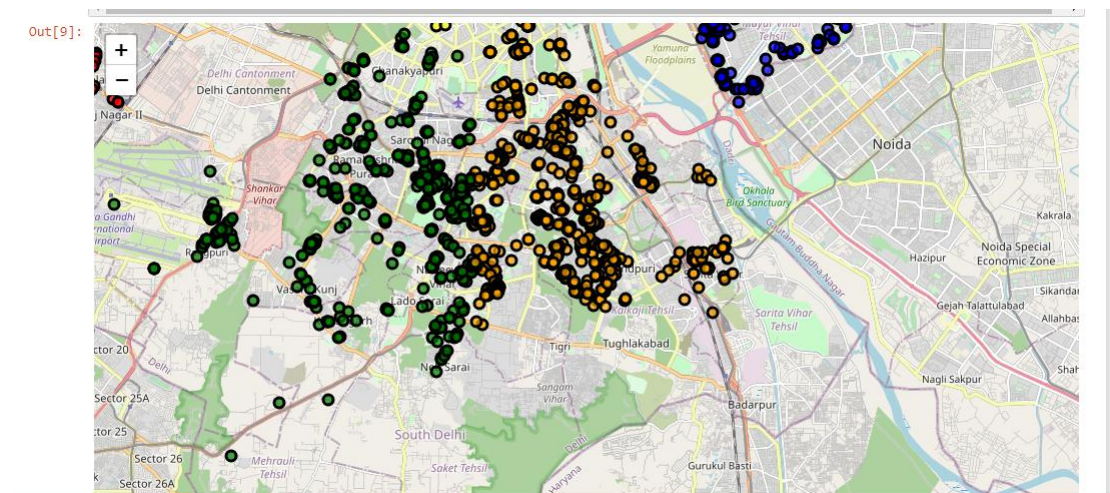
Chanakyapuri is the best place for Chinese restaurant.

1.8 Which places are the best chinese restrutants in New Delhi?

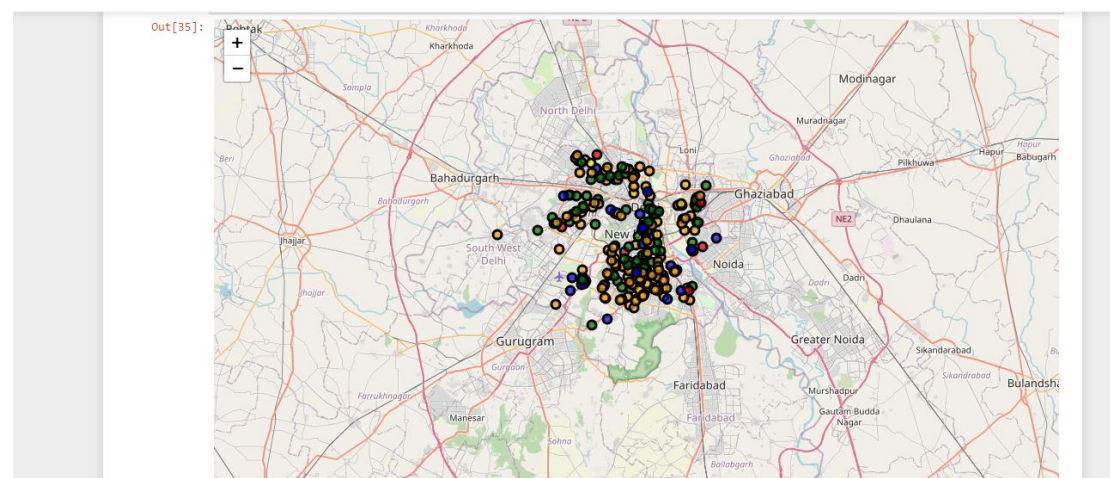


Panchsheel park is best Chinese restaurants.

MAP OF RESTAURANT CLUSTERS:



FINAL MAP:



1.11.1 Conclusion

- Chanakyapuri, Pitampura, Safdarjung are some of the best neighborhoods for Chinese cuisine.
- Panchsheel park, Nehru place have the best Chinese Restaurant.
- Connaught place, Rajouri garden, Malviya nagar are the best places for edible person.
- Greater kailash, Feroze shah road, Saket have best restaurants in New Delhi.

Cluster 1: It is most recommended for Indian Restaurants.

Cluster 2: It is most recommended for Hotels and nightclub.

Cluster 3 and Cluster 5: It is most recommended for Fast food.

Cluster 4: It is most recommended for the cafe and pizza.

