Capstone Project

The Battle of Neighbourhoods

Introduction

New Delhi is the capital city of India. It is a part of the city of Delhi’s 11 districts. The city itself has a population of 257,803. However, the much larger metro area has a population that exceeds 26 million. New Delhi are used interchangeably to refer to the National Capital Territory of Delhi (NCT), these are two distinct entities, with New Delhi forming a small part of Delhi. The National Capital Region is a much larger entity comprising the entire NCT along with adjoining districts in neighbouring states.

With its diverse culture, comes diverse food items. There are many restaurants in New Delhi City, each belonging to different categories like Chinese, Italian, French etc. So as part of this project, we will list and visualise all major parts of New Delhi City.

### Questions that can be asked using the above mentioned datasets - What is best location in New Delhi City for Chinese Cuisine? - Which areas have large number of Chinese Restaurant Market? - Which all areas have less number of restaurant? - Which is the best place to stay if I prefer Chinese Cuisine? - What places are have best restaurant in New Delhi?

Data Requirements:

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.

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.

Approach:

1. Collect the New Delhi city data from Zomato Kaggle dataset.
2. Using Four Square API we will find all venues for each neighbourhood.
3. Filter out all venues that are nearby by locality.
4. Using aggregative rating for each restaurant to find the best places.
5. Visualize the Ranking of neighbourhoods using folium library(python).

Conclusion:

1. Chanakyapuri, Pitampura, Safdarjung are some of the best neighbourhoods for Chinese cuisine.
2. Pancsheel park, Nehru place have the best Chinese Restaurant.
3. Connaught place, Rajouri garden, Malviya nagar are the best places for edible person.
4. 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.