Coursera Capstone Project — The Battle of Neighbourhoods (Indian restaurants in NY)

Data

For this project I need the following data:

- **New York City (NY) data that contains list Boroughs, Neighborhoods along with their latitude and longitude.**

NY data source located at: https://cocl.us/new_york_dataset

Description: This data set contains the all required information. And I will use this data set to explore various neighborhoods of NY.

- **Indian restaurants in each neighborhood of NY.**

Data source: Fousquare API

Description: By using this API I will get all the venues in each neighborhood. I can filter these venues to get only Indian restaurants.

- **GeoSpace data**

Data source: https://data.cityofnewyork.us/City-Government/Borough-Boundaries/tqmj-j8zm

Description: By using this geo space data I will get the NY Borough boundaries that will help me visualize choropleth map.

Approach

- Collect the NY data from https://cocl.us/new_york_dataset
- Using FourSquare API I will find all venues for each neighborhood.
- Filter out all venues that are Indian resturants.
- Find rating, tips and like count for each Indian resturants using FourSquare API.
- Using rating for each Indian resturant, I will sort that data.
- Visualize the ranking of neighborhoods using folium library(python).

Questions that can be asked using the above mentioned datasets

- What is best location in NY for Indian cuisine?
- Which areas have potential Indian restaurant Market?
- Which areas lack Indian restaurants?
- Which is the best place to stay if I prefer Indian cuisine?