## Coursera Capstone – Week 4 – The battle of neighborhoods

**Data:**

For this project we need the following data:
- New York City data that contains list Boroughs, Neighborhoods along with their latitude and longitude.
  - Data source: https://cocl.us/new_york_dataset
  - Description: This data set contains the required information. And we will use this data set to explore various neighborhoods of New York city.
- Indian restaurants in each neighborhood of New York city.
  - Data source: Fousquare API
  - Description: By using this API we will get all the venues in each neighborhood. We 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 we will get the New york Borough boundaries that will help us visualize choropleth map.

# Approach
- Collect the New York city data from https://cocl.us/new_york_dataset
- Using FourSquare API we will find all venues for each neighborhood.
- Filter out all venues that are Indian Restaurants.
- Find rating, tips and like count for each Indian Restaurants using FourSquare API.
- Using rating for each restaurant, we will sort that data.
- Visualize the Ranking of neighborhoods using folium library(python)