Capstone Project - The Battle of Neighborhoods

(Week 1)

Data Section

1. Data Section (Input)

In order to carry out the proposed data analysis, we shall use the following data:

- Proposed analysis work will be carried out on the New York City. So, we shall use the New York City dataset which is available at a URL: https://cocl.us/new_york_dataset.

  - The dataset contains location (latitude and longitude) details of boroughs and neighborhoods in the New York City.

  - The data is available in JSON format.

  - The data set contains in all 306 neighborhood information about the 5 boroughs of New York City.

- Proposed work will analyze Mexican restaurants in the New York City. Hence, the required restaurant venue details will be fetched using the FourSquare API. I have registered a free developer account at https://foursquare.com/.

  - With help of the FourSquare API, the information related to available venues in a given borouh/neighborhood will be fetched.

  - Similarly, details (such as rating, likes, tips) of particular Mexican restaurants also will be fetched using the FourSquare API.

  - The data is available in JSON format.

- It is proposed to draw choropleth charts to represent density of Mexican restaurants in the New York boroughs. Hence, the required GeoSpace data will be availed from the URL: https://data.cityofnewyork.us/api/geospatial/tqmj-j8zm?method=export&format=GeoJSON

o The data contains information about New York borough boundaries.

o The data is available in geoJSON format.