Capstone Project – Week 4

Part II – Data Description

Introduction:

Due to immigrants, the New York City's food culture includes an array of international cuisines. There are more than 4,000 mobile food licensed vendors and many immigrant-owned food joints and 27,043 restaurants in the city as of 2019.

Data Required:

The data requirements will include the following details:

- **New York data**: It is composed of five boroughs—Brooklyn, Queens, Manhattan, the Bronx, and Staten Island There are hundreds of distinct neighbourhoods throughout each boroughs.
    - o Data Source: https://cocl.us/new_york_dataset
    - o Data Description: The data contains following list
        - ▪ Boroughs
        - ▪ Neighbourhoods
        - ▪ latitude and longitude
        - ▪ Key data fields:
            - **id:** location id
            - **coordinates:** longitute, latitudes
            - **name:** Name of Neighbourhood
            - **borough:** Name of Borough where the neighbourhood belongs to
            - **bbox:** coordintaes with borough

- **Restaurants:** List of restaurants in each neighbourhood of New York City. Since the target is Indian Cuisine, the list will be filtered for Indian Restaurants.
    - o Data Source: Foursquare API

- o Data Description: List of venues from different neighbourhood will contain the details for various food spots
  - Restaurant List
  - User Ratings
  - User Feedback

- **GeoSpace Data:** The visualization of the different preferred restaurants on the map to help in navigating to the place.
  - o Data source:https://data.cityofnewyork.us/City-Government/BoroughBoundaries/tqmj-j8zm
  - o Description: By using this geo space data we will get the New York Borough boundaries that will help us visualize choropleth map