

Peer-graded Assignment

Capstone Project - The Battle of Neighbourhoods

(Week 1)

The city analysed in this project is the City of New York. The following data set is used for the analysis of the same.

Data 1

New York City is split up into five boroughs: [the Bronx](#), [Brooklyn](#), [Manhattan](#), [Queens](#), and [Staten Island](#). A **borough** is a town that has its own government. The term *borough* was adopted to describe a unique form of governmental administration for each of the five fundamental constituent parts of the newly city. The **neighbourhoods in New York City** are located within the five [boroughs](#) of the [City of New York](#).

In order to segment the neighbourhoods and explore them, we will essentially need a dataset that contains the 5 boroughs and the neighbourhoods that exist in each borough as well as the latitude and longitude coordinates of each neighbourhood.

This dataset exists for free on the web in the following link.

https://geo.nyu.edu/catalog/nyu_2451_34572

Data 2

Second data set which will be used is the DOHMH Farmers Markets and Food Boxes dataset. Below are the links for both.

<https://data.cityofnewyork.us/dataset/DOHMH-Farmers-Markets-and-Food-Boxes/8vwk-6iz2>

<https://www.grownyc.org/greenmarketco/foodbox>

GrowNYC's Fresh **Food Box** Program is a food access initiative that enables underserved communities to purchase fresh, healthy, and primarily regionally grown produce well below traditional retail prices.

A *farmers' market* is often defined as a public site used by two or more local or regional producers for the direct sale of farm products to consumers. In addition to fresh fruits and vegetables, markets may sell dairy products, fish, meat, baked goods, and other minimally processed foods.

Data 3

For the below analysis we will get data from wikipedia as given below :

1. New York Population
2. New York City Demographics
3. Cuisine of New York city

https://en.wikipedia.org/wiki/New_York_City

https://en.wikipedia.org/wiki/Economy_of_New_York_City

https://en.wikipedia.org/wiki/Portal:New_York_City

https://en.wikipedia.org/wiki/Cuisine_of_New_York_City

https://en.wikipedia.org/wiki/List_of_Michelin_starred_restaurants_in_New_York_City

Data 4

New York city geographical coordinate's data will be utilized as input for the Foursquare API, that will be leveraged to provision venues information for each neighbourhood. We will use the Foursquare API to explore neighbourhoods in New York City.