

## The Battle of the Neighbourhood - Week 1

### Data:

One city will be analysed in this project: *New York City*.

We will be using the below datasets for analysing New York city.

**Data 1:** Neighbourhood has a total of 5 boroughs and 306 neighbourhoods. 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. Link to the dataset is: [https://geo.nyu.edu/catalog/nyu\\_2451\\_34572](https://geo.nyu.edu/catalog/nyu_2451_34572)

**Data 2:** Second data which will be used is the DOHMH Farmers Markets and Food Boxes dataset. In this we will be using the data of Farmers Markets.

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

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

Grow NYC's Fresh **Food Box** Program is a food access initiative that enables under-served 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/New_York_City)

[https://en.wikipedia.org/wiki/Economy\\_of\\_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/Portal:New_York_City)

[https://en.wikipedia.org/wiki/Cuisine\\_of\\_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](https://en.wikipedia.org/wiki/List_of_Michelin_starred_restaurants_in_New_York_City)

**Data 4:** New York city geographical coordinates data will be utilized as input for the Foursquare API, that will be leveraged to provision venues information for each neighbourhood will use the Foursquare API to explore neighbourhoods in New York City. The below is image of the Foursquare API data.