

The Battle of the Neighbourhoods - Week 2

Data point: New York City.

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

Data 1: New York City is split up into five boroughs, which are the Bronx, Brooklyn, Manhattan, Queens, and Staten Island. 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://www.latlong.net/place/new-york-city-ny-usa-1848.html>

Data 2 : For the below analysis we will get data from Wikipedia as given below :

1. https://en.wikipedia.org/wiki/New_York_City#Population_density
2. https://en.wikipedia.org/wiki/Demographics_of_New_York_City
3. https://en.wikipedia.org/wiki/New_York_City
4. https://en.wikipedia.org/wiki/Economy_of_New_York_City
5. https://en.wikipedia.org/wiki/Portal:New_York_City
6. https://en.wikipedia.org/wiki/Cuisine_of_New_York_City
7. https://en.wikipedia.org/wiki/List_of_Michelin_starred_restaurants_in_New_York_City
8. https://en.wikipedia.org/wiki/Cuisine_of_New_York_City

Data 3 : We will use the Foursquare API to explore neighbourhoods in New York City. The below is image of the Foursquare API data.

	Neighborhood	Neighborhood Latitude	Neighborhood Longitude	Venue	Venue Latitude	Venue Longitude	Venue Category
0	Wakefield	40.894705	-73.847201	Lollipops Gelato	40.894123	-73.845892	Dessert Shop
1	Wakefield	40.894705	-73.847201	Rite Aid	40.896521	-73.844680	Pharmacy
2	Wakefield	40.894705	-73.847201	Cooler Runnings Jamaican Restaurant Inc	40.898283	-73.850478	Caribbean Restaurant
3	Wakefield	40.894705	-73.847201	Carvel Ice Cream	40.890487	-73.848568	Ice Cream Shop
4	Wakefield	40.894705	-73.847201	Dunkin Donuts	40.890631	-73.849027	Donut Shop

Data 4: Fourth data which will be used is the ingredients availability dataset. In this we will be using the data from:-

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

Definition Note:-

- Good Food Box (GFB) Program provides fresh, healthy and nutritious fruits and vegetable to hundreds of individuals / families
- Farmers' market is a physical retail marketplace intended to sell foods directly by farmers to consumers.