The Battle of the Neighborhoods – Week1 (Part 2)

Data:

One city will be analyzed in this project: New York City.
We will be using the below datasets for analyzing New York City.

Data 1: Neighborhood has a total of 5 boroughs and 306 neighborhoods. In order to segment the neighborhoods and explore them, we will essentially need a dataset that contains the 5 boroughs and the neighborhoods that exist in each borough as well as the geographical coordinates of each neighborhood.

Here is the link of the dataset: https://geo.nyu.edu/catalog/nyu_2451_34572

	Borough	Neighborhood	Latitude	Longitude
0	Bronx	Wakefield	40.894705	-73.847201
1	Bronx	Co-op City	40.874294	-73.829939
2	Bronx	Eastchester	40.887556	-73.827806
3	Bronx	Fieldston	40.895437	-73.905643
4	Bronx	Riverdale	40.890834	-73.912585

Data 2: We will use the data relative to the Farmers Markets and Food Boxes.

Dataset sources:

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

Data 3: We will use the dataset related to New York City Population and Cuisines (Restaurants).

Data sources:

- 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: We will use New York City geographical coordinates data and the Foursquare API to explore neighborhoods in New York City. Below is image of the Foursquare API data.

	Borough	County	Estimate_2017	GrossDomesticProduct\n	square_miles	square_km	persons_sq_mi	squarekm	persons/sq.mi	persons/sq.km\n
0	The Bronx	Bronx	1,471,160	28.787\n	19,570	42.10	109.04	NaN	NaN	NaN
1	Brooklyn	Kings	2,648,771	63.303\n	23,900	70.82	183.42	NaN	NaN	NaN
2	Manhattan	New York	1,664,727	629.682\n	378,250	22.83	59.13	NaN	NaN	NaN
3	Queens	Queens	2,358,582	73.842\n	31,310	108.53	281.09	NaN	NaN	NaN
4	Staten Island	Richmond	479,458	11.249\n	23,460	58.37	151.18	NaN	NaN	NaN
5	City of New York		8,622,698	806.863	93,574	302.64	783.83	28,188	NaN	NaN	NaN
6	State of New York		19,849,399	1,547.116	78,354	47,214	122,284	416.4	NaN	NaN	NaN
7	Sources:[14] and see individual borough articles	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN