Week 1: The Battle of the Neighborhoods – Part 2

Data :

New York City is going to be analyzed in this project.

Data source 1: It is a data frame that consists of a total of 306 neighborhoods and 5 boroughs. Also, it includes the latitude and longitude of each neighborhood. This data source is free and it can be acceded in https://geo.nyu.edu/catalog/nyu_2451_34572.

Data source 2: This data frame includes the DOCHMH (Department of Health and Mental Hygiene) Farmers Markets. Farmers Markets are public spaces where producers gather to sell primary goods, more specifically, raw food ingredients, to consumers. This data frame is available in https://data.cityofnewyork.us/dataset/DOHMH-Farmers-Markets/8vwk-6iz2.

Data source 3: Information from Wikipedia will be used to analyze New York City population. The data frame is available in https://en.wikipedia.org/wiki/Demographics_of_New_York_City.

Data source 4: Foursquare API will be used to extract venues from different neighborhoods in New York City. The geographical coordinates of NYC will be the input for the Foursquare API. An example of the result is given below.

	Neighborhood	NeighborhoodLatitude	NeighborhoodLongitude	Venue	VenueLatitude	VenueLongitude	VenueCategory
0	Marble Hill	40.876551	-73.91066	Bikram Yoga	40.876844	-73.906204	Yoga Studio
1	Marble Hill	40.876551	-73.91066	Tibbett Diner	40.880404	-73.908937	Diner
2	Marble Hill	40.876551	-73.91066	Arturo's	40.874412	-73.910271	Pizza Place
3	Marble Hill	40.876551	-73.91066	Sam's Pizza	40.879435	-73.905859	Pizza Place
4	Marble Hill	40.876551	-73.91066	Estrellita Poblana V	40.879687	-73.906257	Mexican Restaurant