Description of Data

For this project, we will use New York Neighborhood data that provide previously in Coursera course, and we narrow down to neighborhoods within Manhattan, which includes 40 major neighborhoods. I have found some demographic data such as ‘zipcode’ corresponding to each neighborhood in our data, Median Household Income, Average Household Income, Per-capita Income and Population of each neighborhood. We will explore about the demographic data and get some summary statistics as well. Finally, we could scrape data by using Foursquare API to analysis what kind of characteristics the surrounding venue have within each neighborhood in Manhattan.

Data Source from:

1.New York Neighborhood data: <https://geo.nyu.edu/catalog/nyu_2451_34572>

2.'zipcode' data was from wikipidia that I search one by one accoridng to the Neighborhood

3.Income data was searched one by one from website 'https://www.incomebyzipcode.com/'

4.Part of the Population data are from https://www.worldatlas.com/articles/manhattan-neighborhoods-by-population.html, and part of them are searched from wikipidia.