

## **Data Acquisition and Cleansing**

To solve the problem mentioned in introduction section, we need data related to neighbourhoods of New York city which includes geographical coordinates data (latitude and longitude) as well. Also, we need venue details to explore the neighbourhood of our interest and pick the right choice.

The required neighbourhood's data for New York city is sourced from NYU spatial data repository portal. The venue details are fetched from Foursquare API which will be used to further explore neighbourhoods. Below are the relevant web links:

[https://geo.nyu.edu/catalog/nyu\\_2451\\_34572](https://geo.nyu.edu/catalog/nyu_2451_34572)

<https://developer.foursquare.com/>

Once data was downloaded from both the sources in JSON format, the required columns were filtered out from each data set and merged together to perform further analysis.