

2. Data Section

2.1 Data Requirements

- New York City Borough and Neighborhood information with Longitude and Latitude for visualization and mapping purpose.
- Restaurants detailed information (e.g. Japanese, Indian and etc) and gym in New York city and their locations to be located on Map
- Crime rate data by Borough level to indicate safety of each Borough
- Location of the future office (Time Square) for reference

2.1 Data Sources, Data Processing and Tools used

- New York City Borough and Neighborhood information with Longitude and Latitude for visualization and mapping purpose. **Data Sources:** https://cocl.us/new_york_dataset This data set has a total of 5 boroughs and 306 neighborhoods as well as the the latitude and longitude coordinates of each neighborhood.
- Restaurants detailed information (e.g. Japanese, Indian and etc) and gym in New York city and their locations to be located on Map. **Data Sources:** [Foursquare API](#) With API function in Foursquare app, we are able to locate gym and diverse restaurants and even the rating of them.

- Crime rate data indicate safety of each Borough. **Data Source:** <https://data.cityofnewyork.us/api/views/833y-fsy8/rows.csv?accessType=DOWNLOAD> This data set shows list of every shooting incident that occurred in NYC going back to 2006 through the end of 2019, indicating the safety of NYC by Borough level.
- Location of the future office (near Time Square) for reference. **Data Source:** [Google Map](#) 1540 Broadway, New York, NY 10036, United States