**Battle of The Neighborhoods**

**Exploring New York City - Manhattan**

1. **Data**

To get all this information, we will need the following data:

* New York City data containing the Neighborhoods and boroughs along with latitude and longitude coordinates. This is required to plot the map and get the venue data.
* Venue data for hotels, restaurants, coffee shops, shopping center so that we can analysis and explore New York City

Data Sources that are using to extract this information

* New York City data with latitude and longitude coordinates can be found by using the source from the module 3 in this course:

<https://cocl.us/new_york_dataset> (newyork\_data.json)

* Use Foursquare API to get the venue data for the neighborhoods. Foursquare API provides many categories of the venue data that we needed for this project such as; hotel, food, places to visit and etc…
* This project will be required using of web scrapping (open source dataset), working with Foursquare API, data cleaning, data wrangling, map visualization by using Folium and plotting the map with matplotlib.
* Will define all the detail data analysis in the next section - Methodology