

## **IBM Applied Data Science Capstone Project**

### **The Battle of Neighborhood (Part 1)**

Data Section:

For this project we need the following data:

1. New York City data that contains list Boroughs and Neighborhoods along with their latitudes and longitudes.
  - Data source: [https://cocl.us/new\\_york\\_dataset](https://cocl.us/new_york_dataset)
  - Description: This dataset contains the required information and we will use this dataset to explore various neighborhoods of New York City.
2. Halal restaurants in each neighborhood of New York City.
  - Data source: Foursquare API
  - Description: By using this API we will get all the venues in each neighborhood. We can filter these venues to get only Halal restaurants.
3. GeoSpace Data
  - Data source: <https://data.cityofnewyork.us/City-Government/Borough-Boundaries/tqmj-j8zm>
  - Description: By using this geospacer data we will get the New York City borough boundaries that will help us visualize choropleth map.