**Introduction/Business Problem:**

Since we know healthcare is a very important aspect of our day to day life as we never know what kind of problems one can face. A hospital is a very necessary component of any city and if people have to choose to in live an area, they should make sure that it has the necessary health care options. In this project I am going to find all the hospitals in New York city, the ones that are considered the best and group them according to the locality which will help people choose which a locality to stay in since having a decent hospital close by is always a great factor of safety for people in family ranging from infant babies to senior citizens who all have their own needs and needs to be taken care of.

**Data:**

Here I’m going to use the Foursquare to get the map of New York city, Ill be using foursquare to locate all the hospitals using the latitude and longitude of those hospitals from a dataset which ill explain in a bit. Foursquare will help me visualise the map of New York city with the points of hospitals marked, it’ll let me group those points with K-means and other machine learning ways.

The second one is the dataset of all the well-known hospitals in New York. I found this dataset in the link below

<https://data.cityofnewyork.us/Health/NYC-Health-Hospitals-patient-care-locations-2011/f7b6-v6v3>

After appropriate data cleaning and scraping Ill get a data set with hospital name their latitude and longitude and borough name which can be grouped and visualised on the foursquare platform.