Opening a restaurant in Manhattan

This is a beautiful and angelic view of Manhattan Skyline. Manhattan is one of the five boroughs of New York City and is arguably the most famous and developed one. It is considered the financial centre of the world.

This project is going to be based on Data Science, and we'll be suggesting some favourite places in Manhattan where people looking forward to opening a new restaurant will be our stakeholders.

So here, being a Data Scientist we'll try to help these people by providing them with the analysis about which area to select to open a restaurant, which kind of cuisine should be available like for example, one should open a French restaurant or an Italian one and that too in which location so that the restaurant faces the least competition.

There are a lot of Italian Restaurants already in Manhattan, So if someone is trying to open an Italian Restaurant in Manhattan it would be slightly difficult to find an area with less competition. However, Opening a French restaurant would be easier because it faces less competition in Ney York City. So these things we are going to figure out in our project.

About the Dataset

In New York City there are a total of 5 Neighborhoods. Somehow we'll have to arrange this data set from somewhere. Luckily we have one at 2014 New York City Neighborhood Names.

Moreover, we will rely on Foursquare API to get the venues in the neighbourhoods of Manhattan.

Now we will try to cluster the neighbourhood of Manhattan using K-Means algorithm and we'll figure out which places are best suited for opening which type of restaurants.