**Finding a Perfect Location for opening a restaurant in New York City**

**1. Introduction / Business Problem:**

**1.1 Background:**

New York City is the most densely populated major city in the United States. It is located at the southern tip of the U.S. state of New York, the city is the center of the New York metropolitan area, the largest metropolitan area in the world. So the need of the restaurants is very obvious. There are lots of restaurants already in the New York City and many more are opening very frequently.

**1.1 Problem:**

Suppose you want to start your own business by opening a restaurant in the New York City, but you have no idea which will be the best location to open it. Suppose you want to open a Pizza restaurant, you would want to open in such a location that it is easily accessible to the customers. Also you would want that there is no other restaurant of the same category nearby. So to find a perfect location to open a new restaurant we can use the power of Data Science to solve our problem.

**2. Acquiring data:**

For the above problem to solve, we will need the data of the Boroughs and Neighbourhoods of the New York City. Also we will be requiring the latitudes and longitudes of each neighbourhood. The data of the Boroughs and Neighbourhood can be easily found from the internet. We can scrap the data from various online sources and then combine the data and clean it. Also we will be using the Four Square API to explore the various neighbourhood to get the details of which restaurants are present and how many. So with the help of these, we can solve our problem to find a perfect location for a restaurant to open.