**Introduction/Business Problem**

**In this project, I aim to provide suggestions to the contractor about where to open a new restaurant in New York City. It is essential for people to select a good place for food business to avoid losing money. We will use the New York City** Foursquare location data to help the decision-making. We will take several factors into account, such as common venues and venue types.

**Data**

We will download the **New York City** Foursquare location data, same as the dataset we used in our lab session. We will get the venue names, venue types, neighborhood, Borough, and other related information in the dataset. For example, as the following tables:

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Neighborhood | Neighborhood Latitude | Neighborhood Longitude | Venue | Venue Latitude | Venue Longitude | Venue Category | 1st common venue | 2nd common venue |
| 0 |  |  |  |  |  |  |  |  |  |
| 1 |  |  |  |  |  |  |  |  |  |