Analysis of restaurant types for New York

capstone project for IBM's Professional Data Scientist certificate

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Introduction/Business Problem

- New York is one of the most famous cities in the world. There are many people that are working on daily basis and thousands of visitors each day. So the restaurant business is very common and profitable. A very high percentage of restaurant investors are cooperating with real estate agents in order to find the perfect spot for their investment. So in this project we will analyze four different types of restaurants:

- Pizza

- Burger

- Kebab

- Chinese

We will depict the location of the restaurants on the map and distinguish them with different colors. In that way we will help the customer to make the correct decisions regarding the suitable location of opening a new restaurant.

Data Collection

- The problem is to create a smart map of New York that the real estate agent could distinguish the areas of interest according to the requirements of the client.

As Foursquare is the most trusted data lake for this kind of information we will use its API.

We will perform queries for each of the four different types of restaurants and then clean and process the data in order to use them for our project.