New Restaurant in NYC

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Introductory Notes

Someone looking to open a restaurant in New York city, where would you recommend that they open it?

In ths project will try to find an optimal location for a new Spanish restaurant in NYC, we need to find locations (Neighborhood) that that isn't full of Spanish restaurants.

On the other hand, We will associate the success of each restaurant to the number of 'likes' and their 'rating we have to find the neighborhood with the number of rating and their food security

For food security we will use the New York City Restaurant Inspection Data. This dataset provides restaurant inspections, violations, grades and adjudication information.

Using the information obtained through the Foursquare API we will collect the rating and the number of likes.

Data Acquisition and Preparation

We will collect our data from two sources:

1. https://data.cityofnewyork.us/Health/DOHMH-New-York-City-Restaurant-Inspection-Results/43nn-pn8j
2. Foursquare API

The first one contains the Restaurant fields:

- Names
- Location (latitude and longitude)
- Grade
- Cuisine

The second one contains the rating and number of likes for each Restaurants.

We will eliminate duplicate restaurants and obtain the number and filter the dataset per Spanish cuisine.