

Where to open my Distribution of Coffee Grains?

Introduction

Using the Foursquare location data, I will analyse all the coffee houses of Manhattan and decide where would be the best place to open my company of distribution of coffee grains

Data

This notebook will use the following datasets:

- Extract the neighborhoods of New York from https://geo.nyu.edu/catalog/nyu_2451_34572
- Get the geographical coordinates of Manhattan from **geolocator**
- Get the venues of Manhattan from **Foursquare API**
- Get categories from **Foursquare lab**

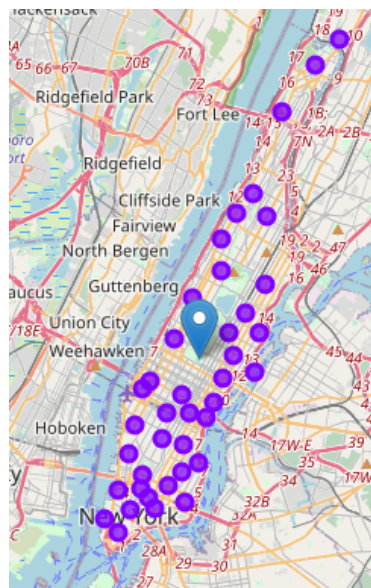
After all this, comes the clustering part, where I will find the centroid of the coffee houses in Manhattan to know the location of the company

Methodology

For this project we are going to use **Foursquare API** and **geolocator** to geographically explore Manhattan.

Results

According to our project we should open our grain distribution closely to Central



Discussion

Of course it does not make sense to create a company of distribution of grains in Manhattan, would be cheaper to open that company a few miles from there and supply the island. But, our purpose here is to create an analysis that can be applied to many different situations

Conclusion

With this exercise we learned how to use the many tools to develop a data analysis. Although the result is just a simulation, we can use this knowledge to develop other projects and make studies that can be used in the real world