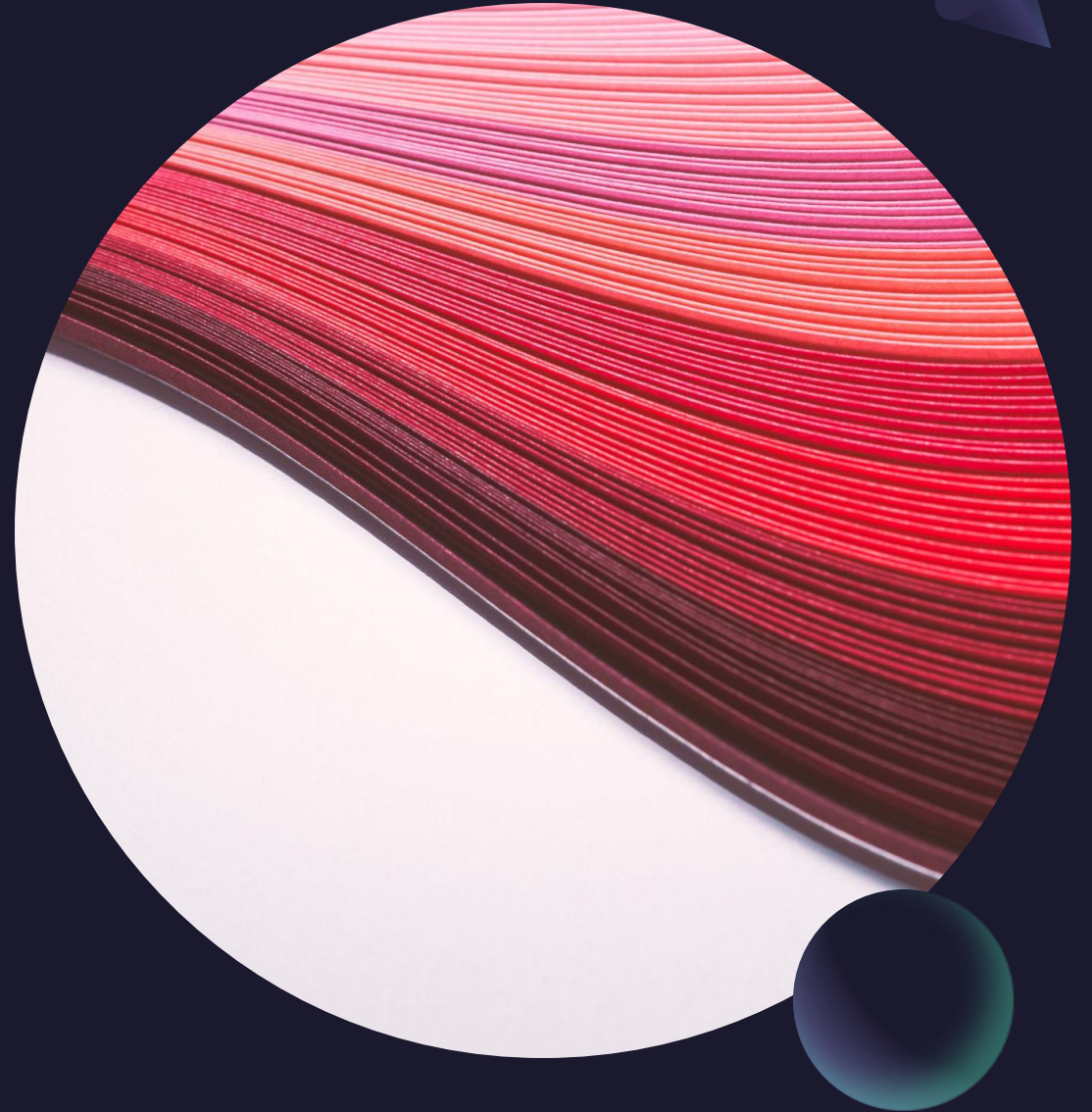


Battle between neighborhoods

The right spot to make our
restaurant



introduction

- All the markets have grown very competitive lately
- It became really hard to start any business today
- I will address this problem in a specific scenario

The problem's details

- You live In of the crowded cities like Tokyo, Cairo, Newyork, ..etc. (in our case Newyork).
- You want to make your restaurant in one of these places but it is too hard to choose the place because of High competition between big restaurants and other factors.



Data

- Forsquare data only
- Called the API to get the restaurants in the area and their details
- Called it again to use the IDs that I got to get the ratings of every restaurant

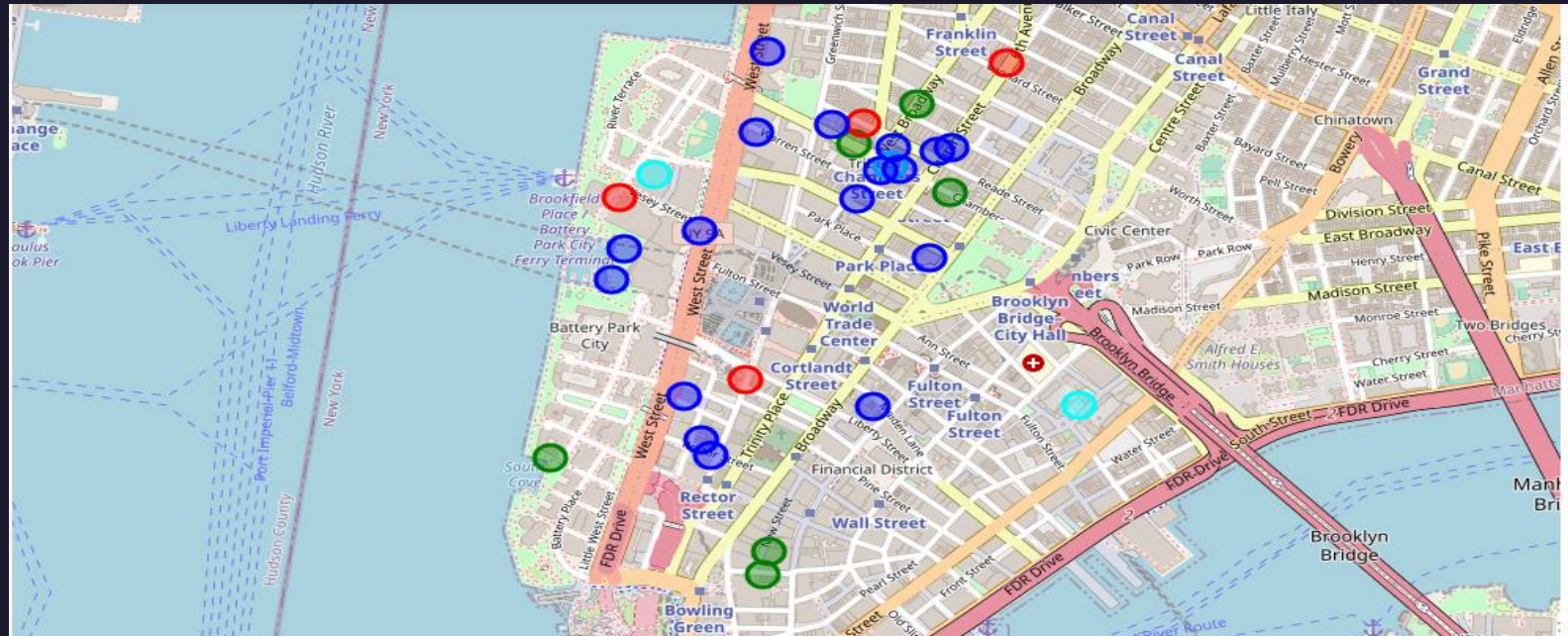


Methodology

- Data fetching and analysis
- First imported the libraries
- Second called the API to get the data
- Third observed the data and extracted the important columns
- Cleaned the data to be ready for modelling and visualization
- Modelling and data visualization
- First made the Kmeans model
- Second fit the model to the data
- Third plotted the clusters on the map with pop up labels with the rating and state of this restaurant

results

- According to the model the client who wants to start his restaurant will have to choose from the areas away from red and close to green as red is high rated restaurant



Discussion

- In this section I wanted to say that this data is insufficient to make the most precise decision of the restaurant place but I am certain that if there were more data and funds it can be a great metric to decide your spot



Conclusion

- To sum up everything in the report according to this project (if the required data is present) you can open your business in any place if you analyze the surroundings and the weaknesses of your opponents.

