

Coursera Capstone Project — The Battle of Neighbourhoods (Indian restaurants in NY)

IBM Data Science Professional Certificate Capstone

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I have selected to explore Indian restaurants in one of my favorite city - New York



Business Problem

- This project is particularly useful to developers and investors looking to open or invest in a Indian restaurant in the NY. Overall, NY is a great place to open a restaurant with an ethnical cuisine.
- NY with it's extremely diverse culture, of course, comes with so wide diverse food items. There are numerous restaurants in NY, each belonging to different national categories like: Chinese, Indian, French, Russian, Thai, Spanish, etc.

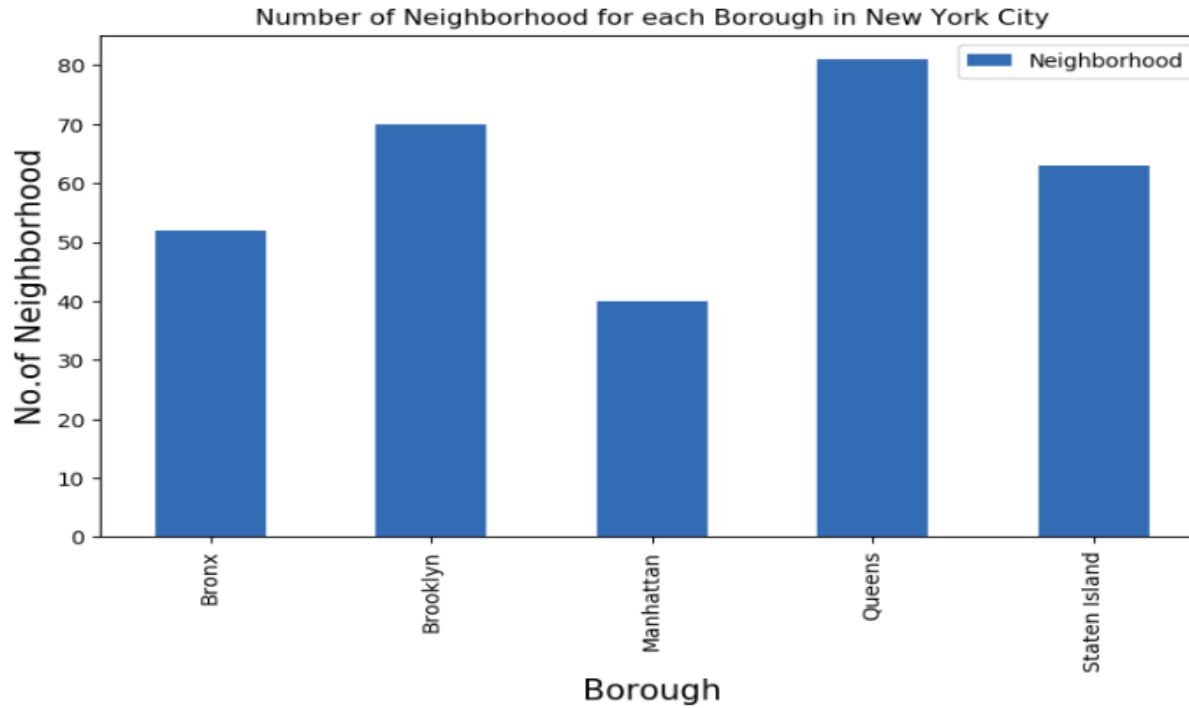
Data

- NY data source located at:
https://cocl.us/new_york_dataset
- Data source: Fousquare API
- Data source for geospace data:
<https://data.cityofnewyork.us/City-Government/Borough-Boundaries/tqmj-j8zm>

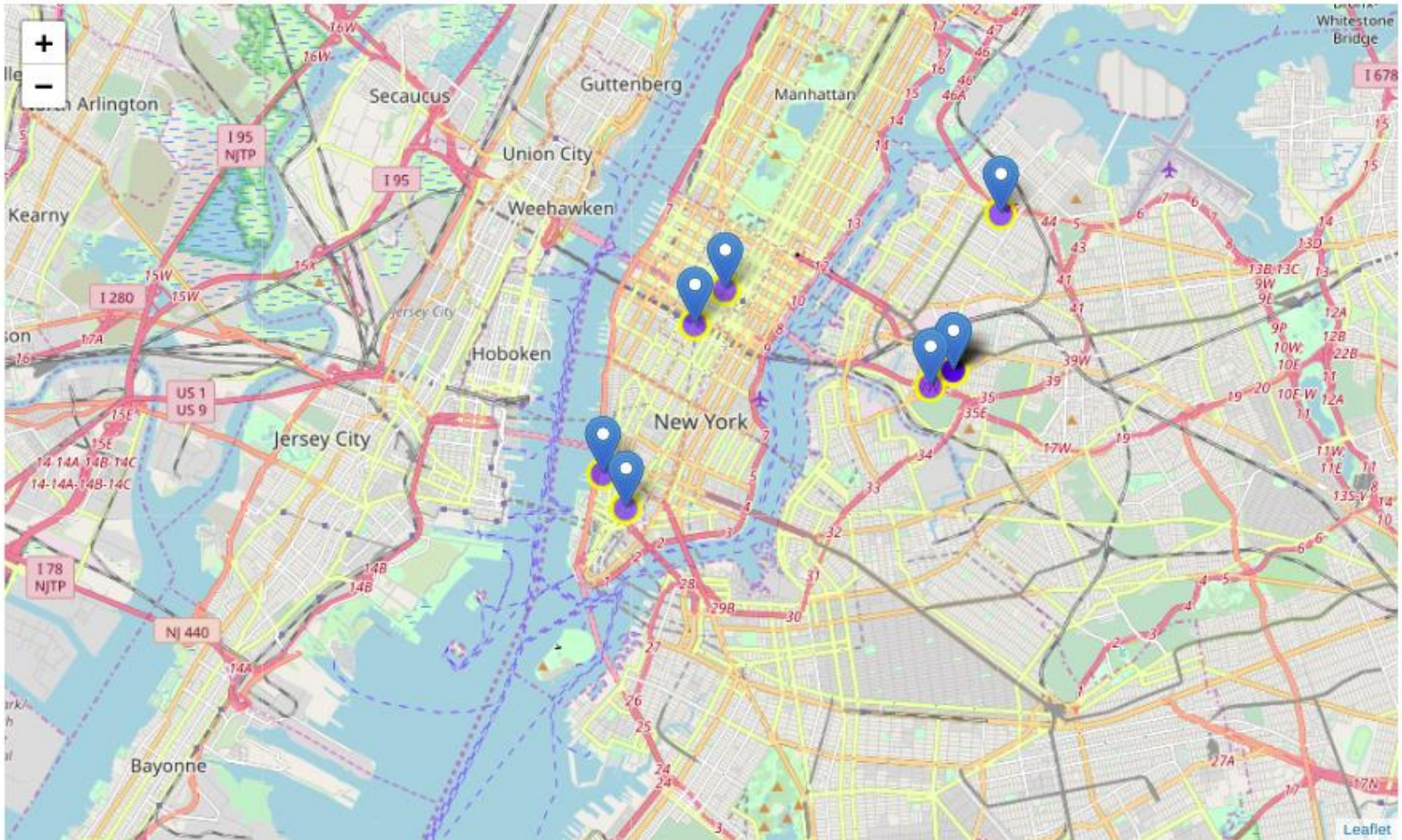
Methodology

- Collect the NY data from https://cocl.us/new_york_dataset
- Using FourSquare API to find all venues for each neighborhood.
- Filter out all venues that are Indian restaurants.
- Find rating, tips and like count for each Indian restaurants using FourSquare API.

Results



- So there are total of 306 different Neighborhoods in New York.
- You can see that Queens has the highest number of Neighbourhoods.



Conclusion

Manhattan has the highest potential Indian Restaurant Market value in NY.

Limitations

- The ranking is purely on basis of rating of restaurants.
- The accuracy of data depends purely depends on the data provided by FourSquare.