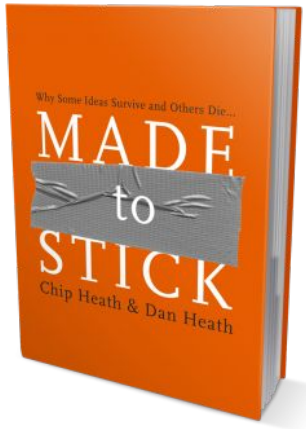
Finding a better place in Bangalore,India

By Sausthava Goswami

Introduction

The purpose of this Project is to help people in exploring better facilities around their neighborhood. It will help people making smart and efficient decision on selecting great neighborhood out of numbers of other neighborhoods in Bangalore, India.

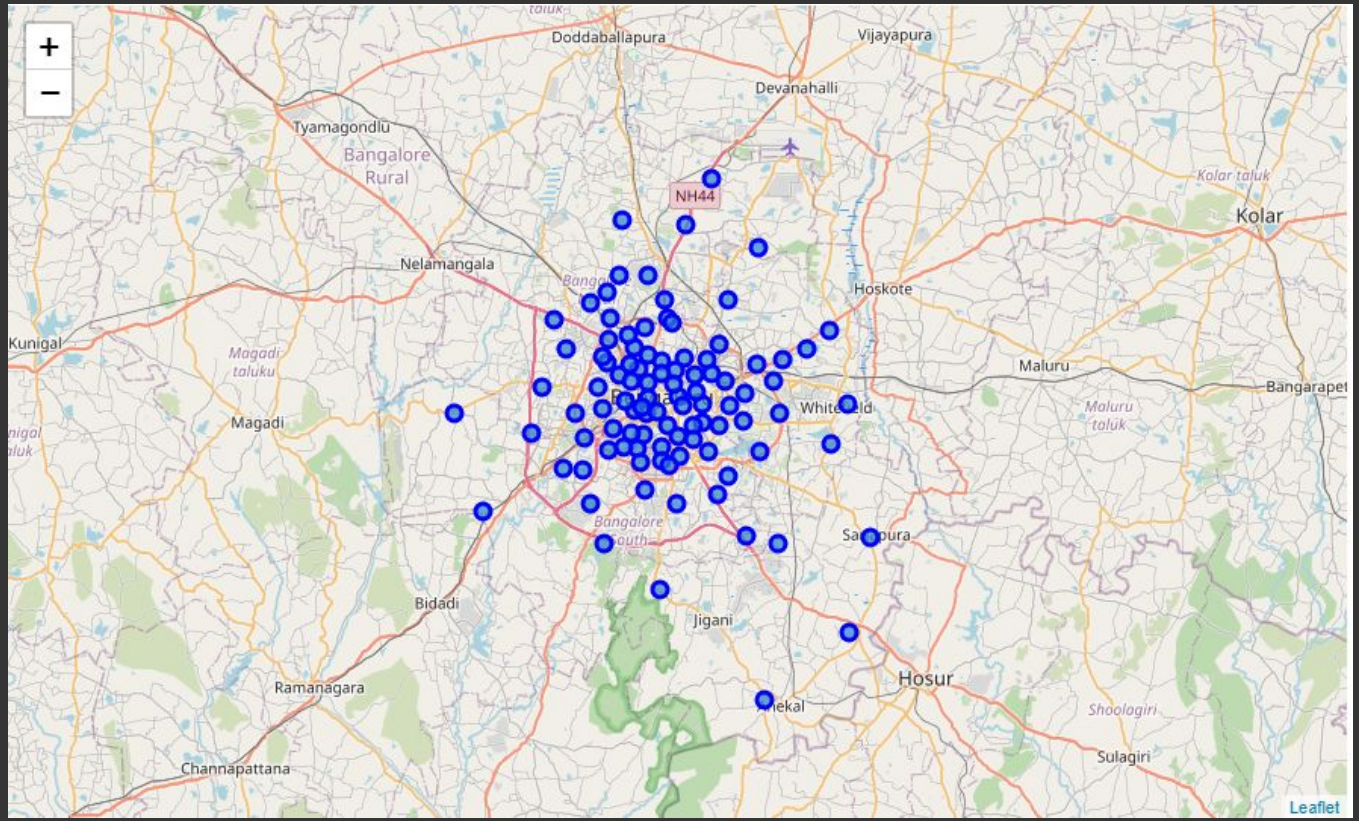
This Project aim to create an analysis of features for people migrating to Bangalore to search a best neighborhood as a comparative analysis between neighborhoods.



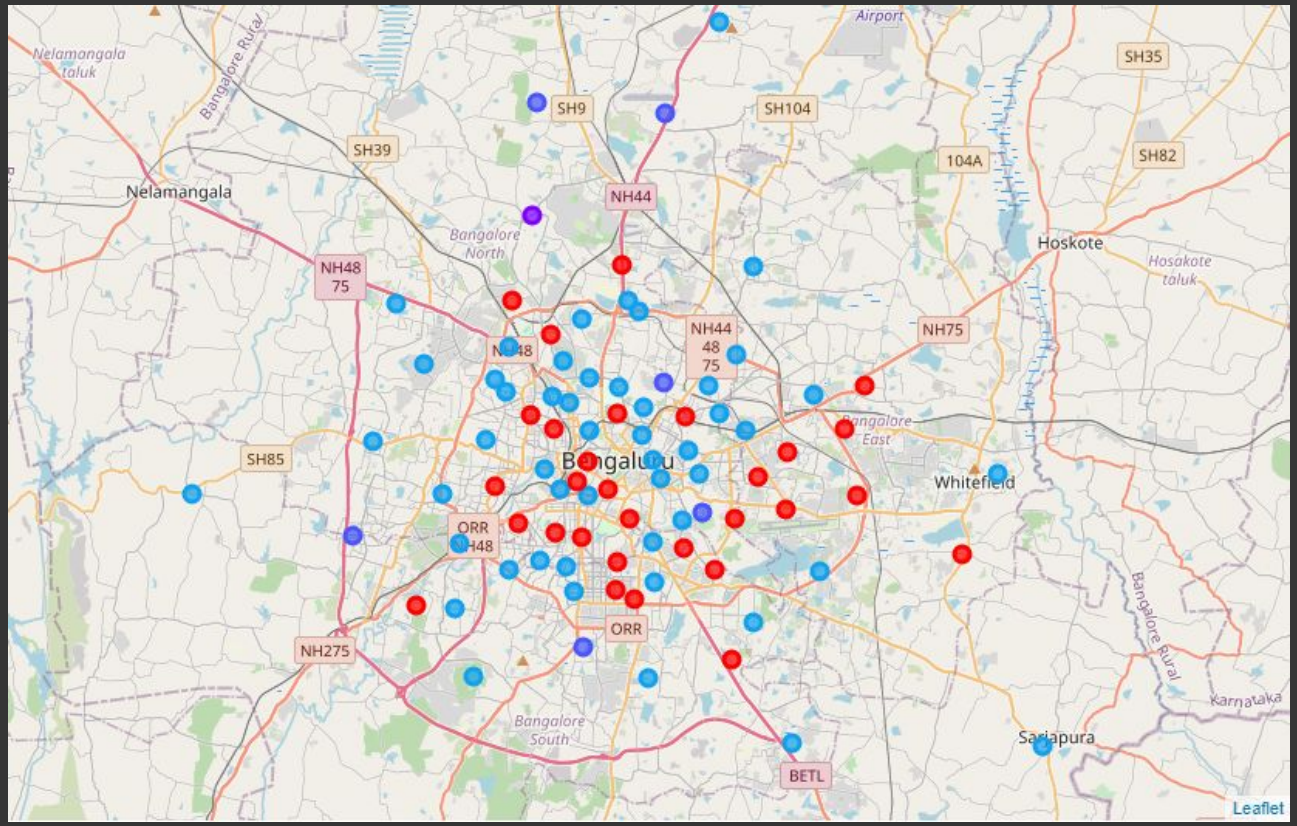
Data Cleaning and acquisition

- Neighborhood data scraped from https://www.mapsofindia.com/pincode/india/karnataka/bangalore/ using Beautiful Soup Python Package
- Neighborhoods will be generated algorithmically and approximate location of those areas will be obtained using Geocoder Python package.
- Venues in every neighborhood will be obtained using **Foursquare API**

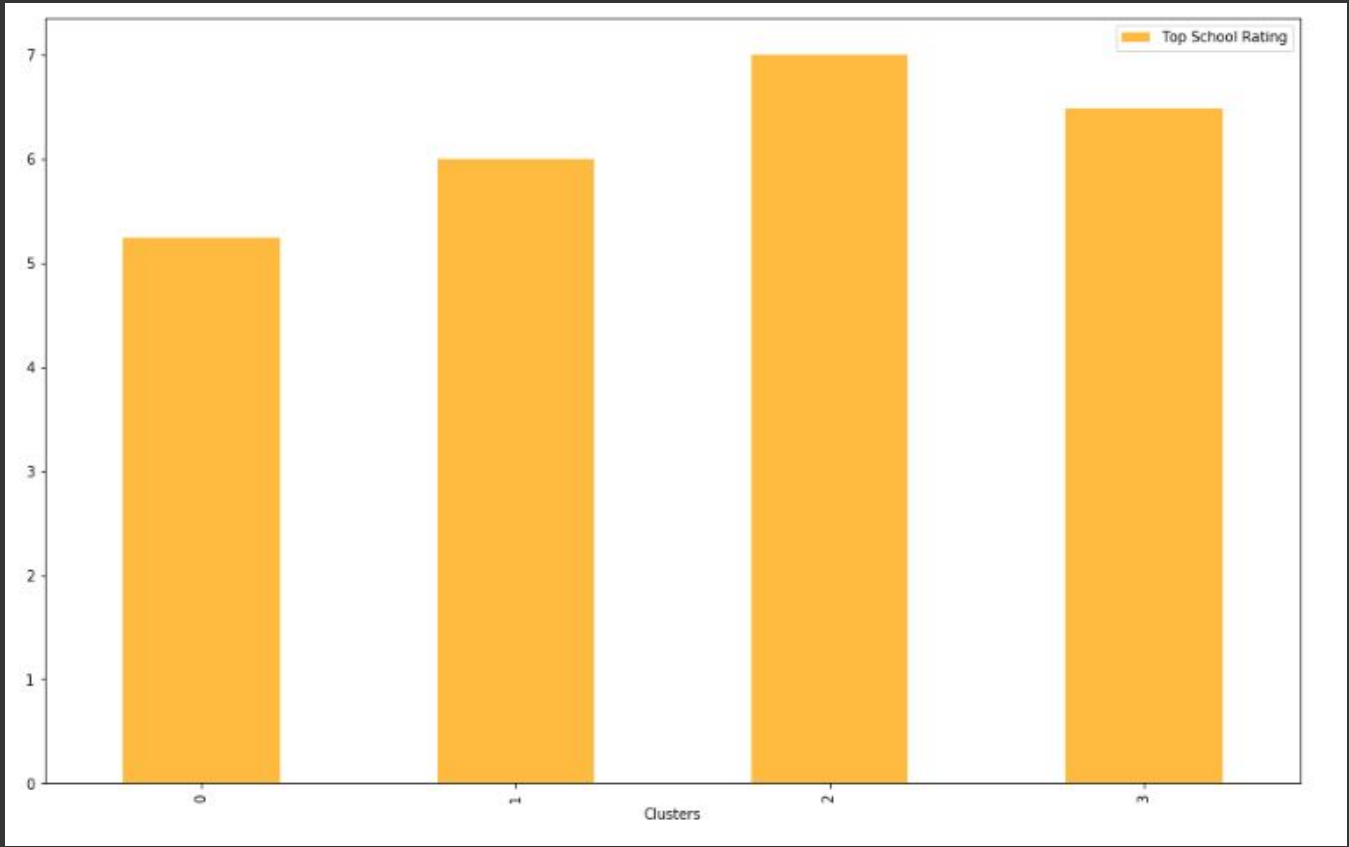
Map of Bangalore City with its neighborhoods



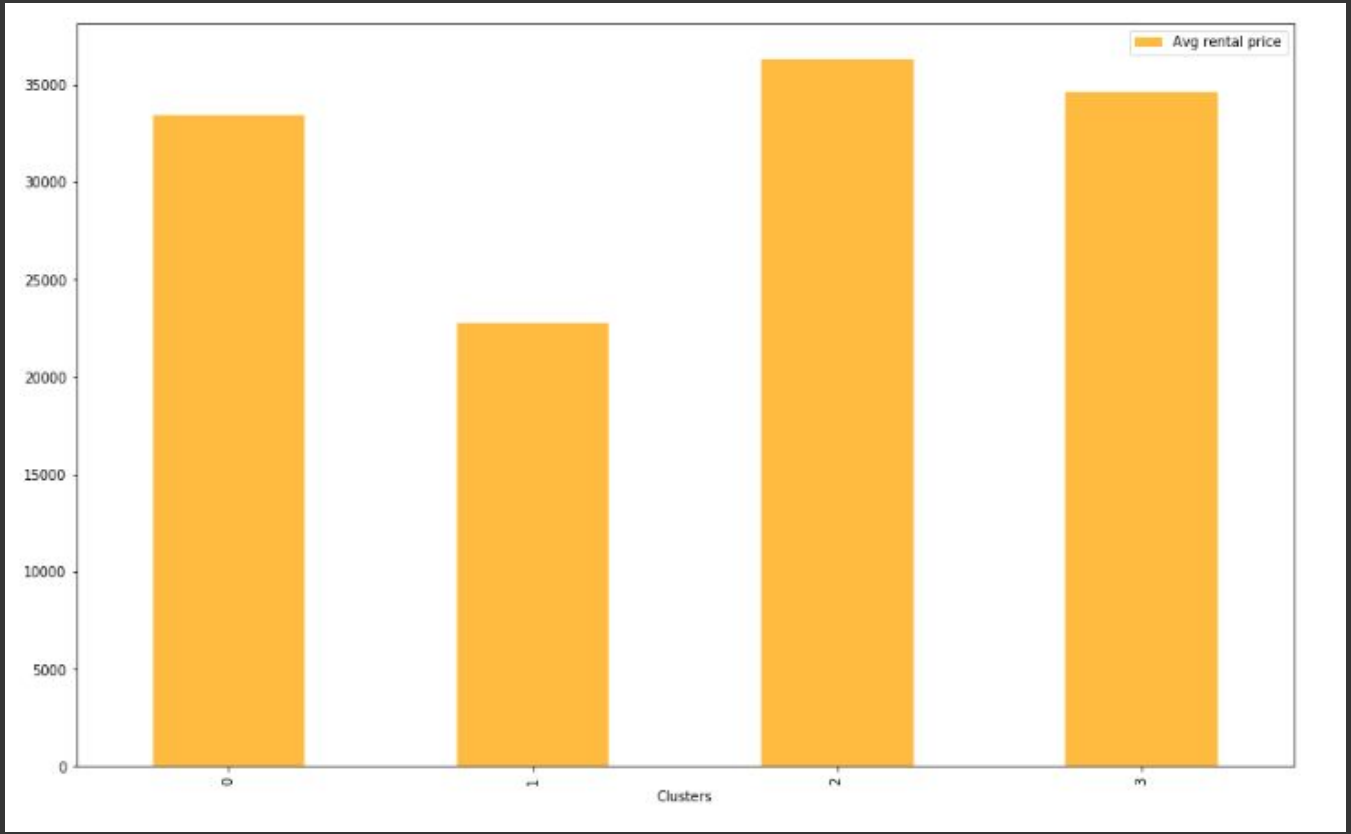
Dividing the neighborhoods into 4 clusters of similar neighborhoods using K-means Clustering



Average School ratings by cluster



Average House rental prices by cluster



Conclusion and Future Directions

- By this analysis we can determine the most suitable neighborhood based on areas of interest.
- The model has room for improvement by adding more features.
- Ideas include:
  - Medical Facilities
  - Airport, railways or bus services distance