Capstone Project – The Battle of Neighborhoods

Introduction

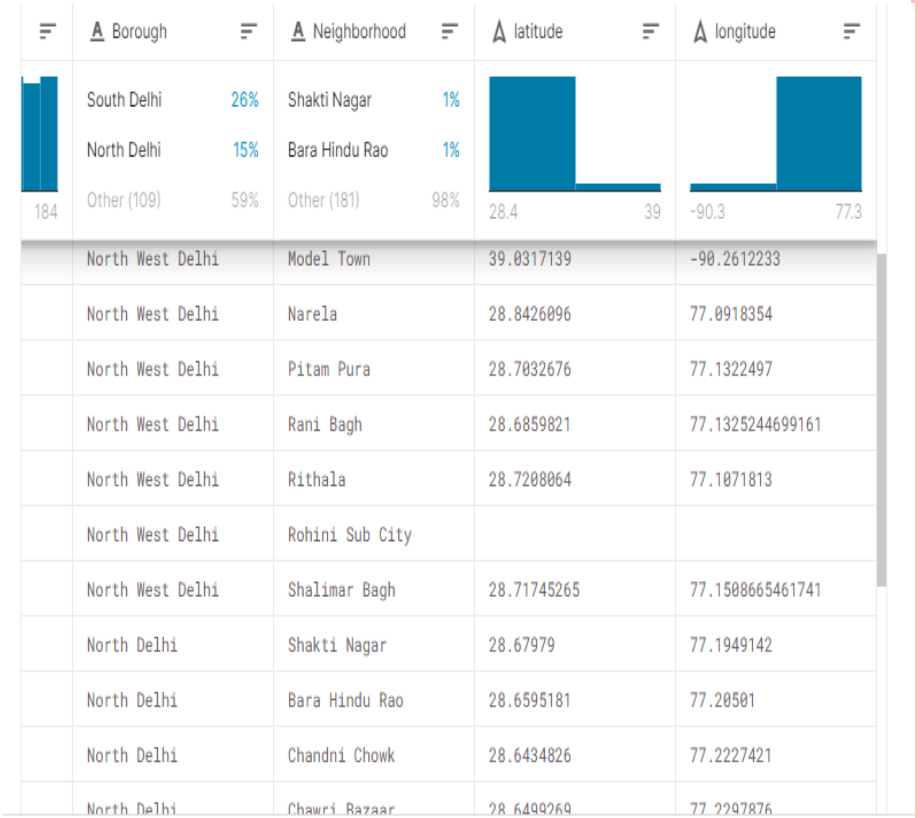
- This Project aim to create an analysis of features for a people migrating to Delhi to search a best neighborhood as a comparative analysis between neighborhoods.

Purpose

- To help people in exploring better facilities around their neighborhood.
- help people making smart choice in selecting their neighborhood in Delhi

Data Selection

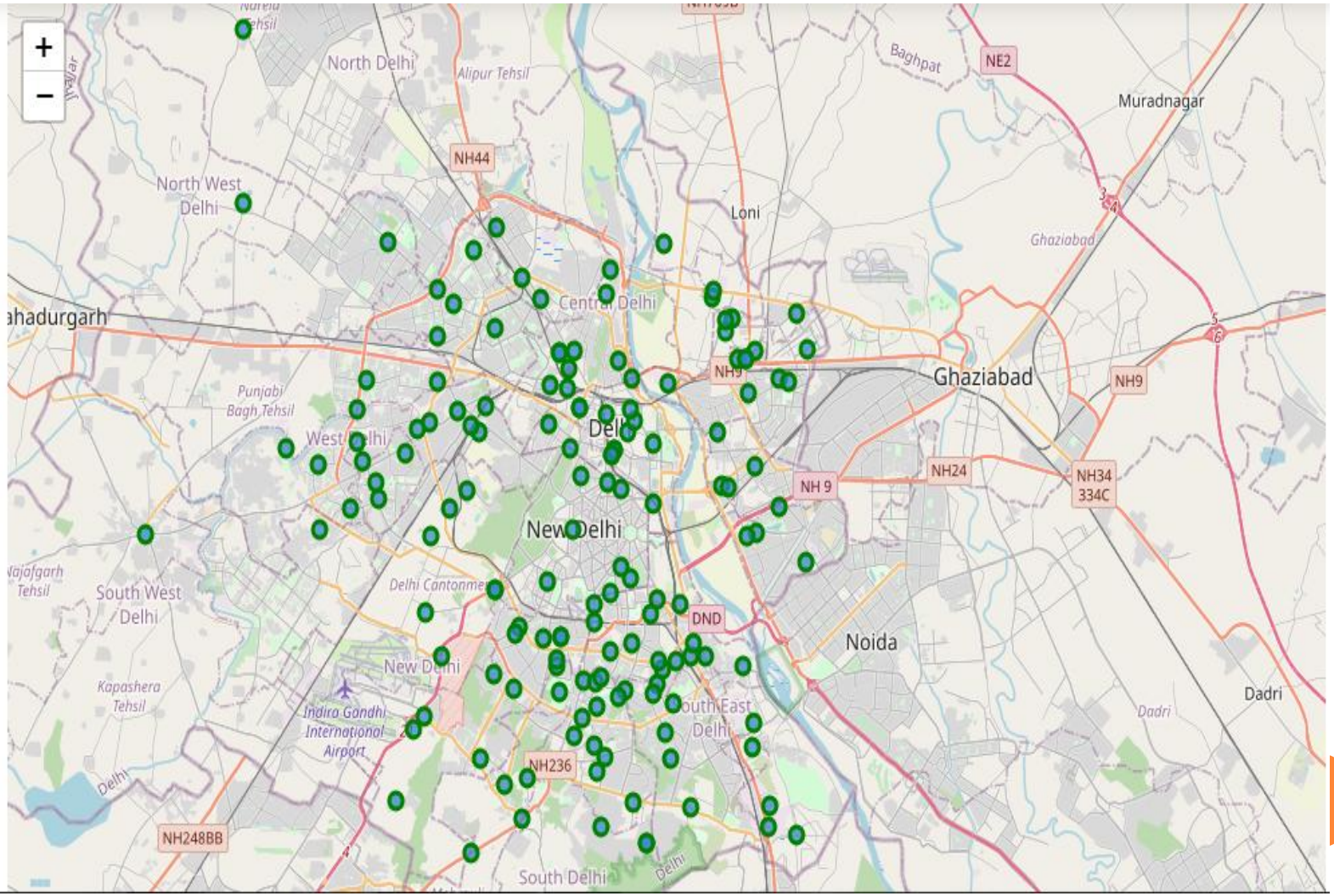
- Data Link :https://www.kaggle.com/shaswatd673/delhi-neighborhood-data
- we will use delhi Dataset consisting of neighborhoods,latitude and longitude.



Borough	Neighborhood	latitude	longitude
South Delhi 26%	Shakti Nagar 1%		
North Delhi 15%	Bara Hindu Rao 1%		
Other (109) 59%	Other (181) 98%		
184		28.4 39	-90.3 77.3
North West Delhi	Model Town	39.0317139	-90.2612233
North West Delhi	Narela	28.8426096	77.0918354
North West Delhi	Pitam Pura	28.7032676	77.1322497
North West Delhi	Rani Bagh	28.6859821	77.1325244699161
North West Delhi	Rithala	28.7208064	77.1071813
North West Delhi	Rohini Sub City		
North West Delhi	Shalimar Bagh	28.71745265	77.1508665461741
North Delhi	Shakti Nagar	28.67979	77.1949142
North Delhi	Bara Hindu Rao	28.6595181	77.20501
North Delhi	Chandni Chowk	28.6434826	77.2227421
North Delhi	Chawri Bazaar	28.6499269	77.2297876

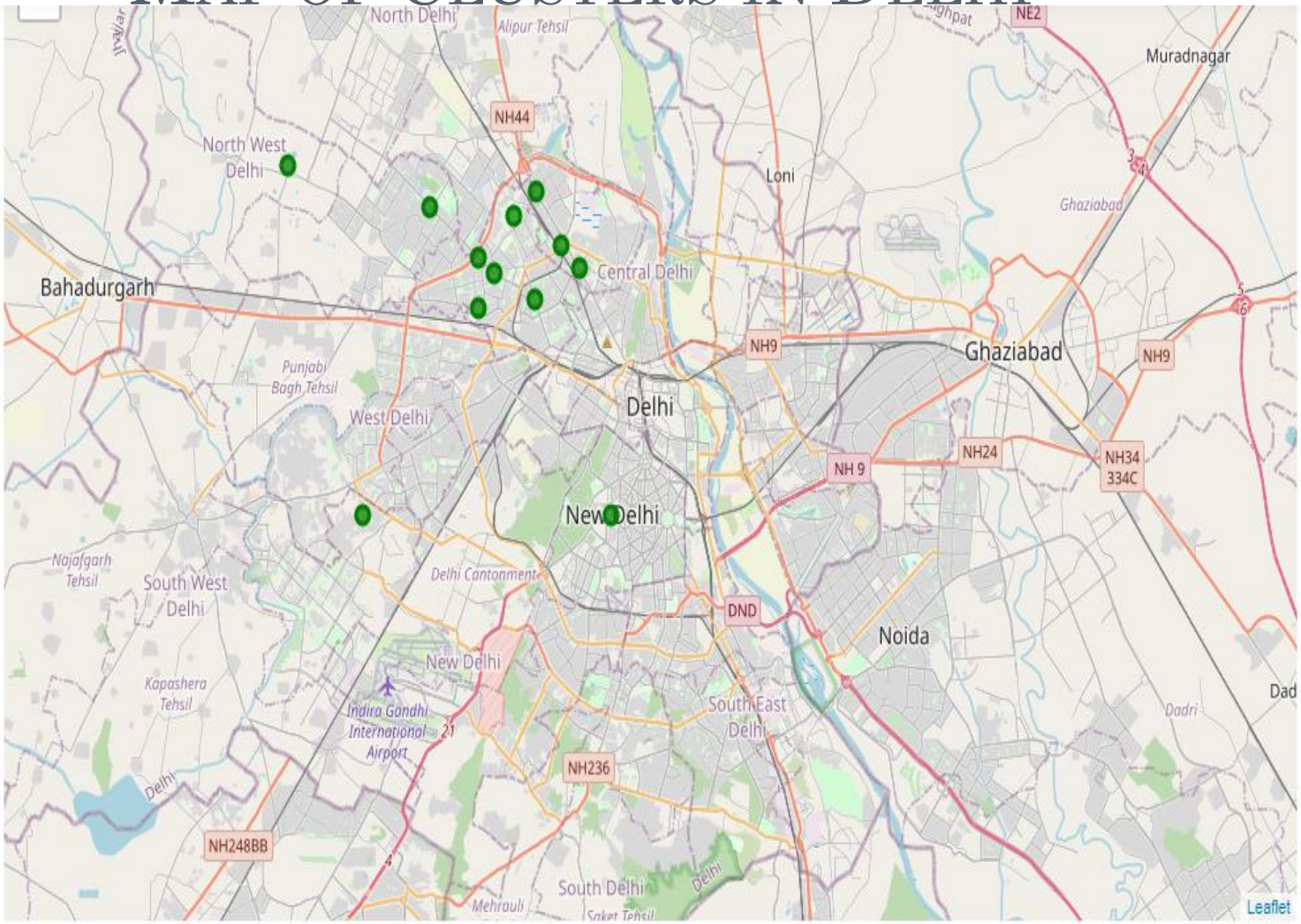
MAP OF DELHI

Out[75]:

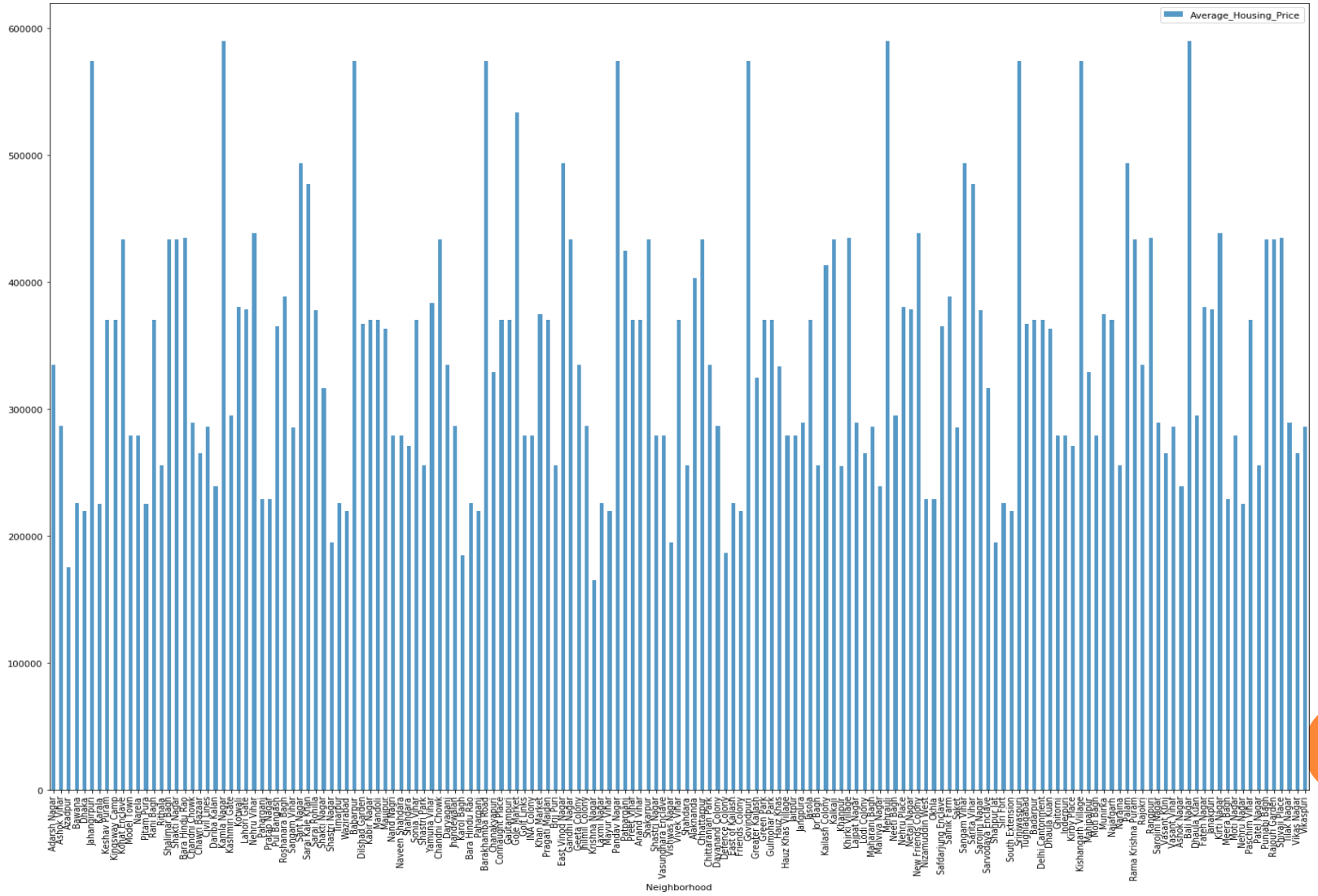


Results Section

Map of Clusters in Delhi



Average Housing Price by Clusters in Delhi



Conclusion

- In this project, using k-means cluster algorithm I separated the neighborhood into 10(Ten) different clusters and for 163 different lattitude and logitude from dataset, which have very-similar neighborhoods around them. Using the charts above results presented to a particular neighborhood based on average house prices have been made.
- This Capstone project can be continued for making it more precise in terms to find best house in Delhi. Best means on the basis of all required things(daily needs or things we need to live a better life) around and also in terms of cost effective.