THE BATTLE OF NEIGHBORHOOD
(FINAL REPORT)

Breaking down Median House Prices and School Ratings for Scarborough

Location:

Scarborough is a prevalent goal for new outsiders in Canada to live. Subsequently, it is a standout amongst the most different and multicultural zones in the Greater Toronto Area, being home to different religious gatherings and spots of love.

Description:

Several people moving to multiple states of Canada require the output at extraordinary housing costs similarly to incredible rating schools for their children. The endeavours expect to make an examination of features for territory as a comparative assessment between neighbourhoods. The features join centre house cost and school assessments, bad behaviour rates, atmosphere conditions, recreational workplaces. This would assist people with getting the awareness of the spots before moving to another country, state, city or spot for their work or to start another life.

The purpose of this project is to assist people with researching various possible results and take an unrivalled decision on choosing the best neighbourhood from multiple zones in Scarborough city subject to the flow of various workplaces in and around that territory.

API:

This venture would utilize Four-square API as its prime information gathering source as it has a database of a great many spots, particularly their places API which gives the capacity to perform area look, area sharing and insights regarding a business.

Work Flow:

Utilizing certifications of Foursquare API highlights of close by spots of the areas would be mined. Because of HTTP demand restrictions, the number of spots per neighbourhood parameter would sensibly be set to 100 and the range parameter would be set to 500. Steps taken were:

- Data acquisition and cleansing
- Data preparation
- Feature selection
- Clustering

DATA ACQUISITION AND CLEANSING

- Information securing was a 2-step process:
- 1. Acquiring the postcodes for neighbourhoods in Toronto
- 2. Acquiring scenes inside these areas

Analysis:

To consider the correspondences of two urban regions, we decided to examine neighbourhoods, divide them, and receive collectively them into gatherings to find similar neighbourhoods in a significant city like New York and Toronto. To have the ability to do that, we need to gather data which is a sort of solo ML: k-Means gathering calculation

Conclusion

In conclusion this task, through a k-means bunch calculation, we separate the area into 03 groups, which have comparable neighbourhoods around them. Utilizing the graphs above choice prompting a specific neighbourhood dependent overall house costs and school rating can be made.