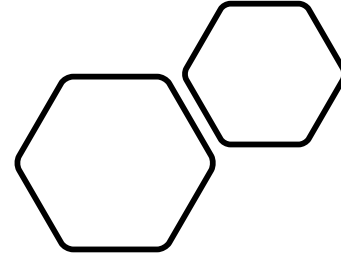


Battle of neighbourhood: A restaurant problem in Toronto



By
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Problem Statement:



I would like to explore the prospect of opening a restaurant in Toronto.



I will illustrate the decision-making process of establishing a restaurant in Toronto analyzing the neighbourhoods in Toronto to identifying the most profitable area.



It is important to get an idea of the neighborhood before opening a restaurant business to have an idea about their ethnicity and taste.

Target Audience

- Business personnel who wants to invest or open an Indian restaurant in Toronto. This analysis will be a comprehensive guide to start or expand restaurants targeting the Indian crowd.

Data Sources

- https://en.wikipedia.org/wiki/List_of_postal_codes_of_Canada:_M
- “https://cocl.us/Geospatial_data” csv
- https://en.m.wikipedia.org/wiki/Demographics_of_Toronto#Ethnic_diversity

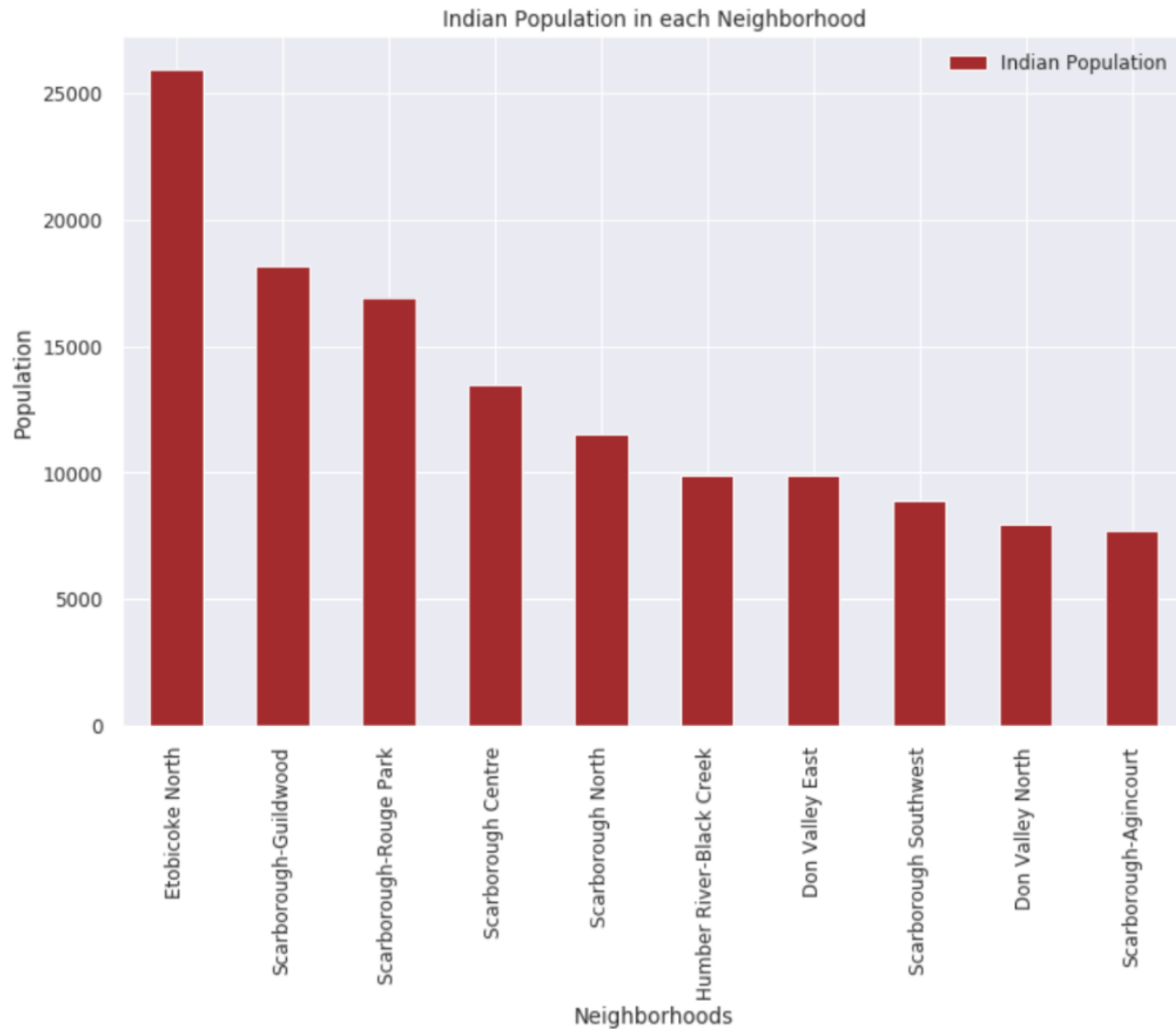
Methodology:

- Scraping the Wikipedia page, “List of Postal code of Canada: M”.
- Merging Geospatial Data with the existing neighborhood data frame based on the postal code.
- Get location data using Foursquare.
- 100 popular spots have been chosen for each neighborhood within a radius of 1km.

Data Analysis

- Folium library is used to draw an interactive leaflet map using coordinate data.
- This analysis & visualization of the relationship between neighborhoods & Indian population present in those neighborhoods helps us in identifying the highly populated Indian neighborhoods

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Results

- In those 11 boroughs we identified that only Central Toronto, Downtown Toronto, East Toronto, East York, North York & Scarborough boroughs have high amount of Indian restaurants with the help of Violin plots between Number of Indian restaurants in Borough of Toronto.
- With the help of clusters examining & violin plots looks like Downtown Toronto, Central Toronto, East York are already densely populated with Indian restaurants.