Capstone Project

Week 4 – part 1

Toronto neighborhoods: Where to live

1. Introduction/ Business Problem

Toronto is the most populous city in Canada. This city is an international center of business, finance, arts, and culture. Every year, there are thousands of people choose Toronto as their new destination for living and working. Before their departures, people want to get information about different neighborhoods in Toronto and then decide where they live.

The aim of this project is to describe different neighborhoods in Toronto to help people make choices of which places fit their interests. This project results can help people identify where is quiet, where is more crowded with lots of shopping centers, etc. From that, they can decide which places fits their lifestyle. Our audience is people who is planning to move to Toronto.

2. Data

Data Source

       1. a list of neighborhoods in Toronto is scraped from Wkipedia
https://en.wikipedia.org/wiki/List_of_postal_codes_of_Canada:_M

       2. a link to a csv file that has the geographical coordinates of each postal code
http://cocl.us/Geospatial_data

       3. a list of venue categories is requested from Foursquare API
https://developer.foursquare.com/docs/build-with-foursquare/categories/.

Data preparation

For the Toronto neighborhood data:

+ Scrape the data from Wikipedia.

+ Drop cells with a borough that is Not assigned

+ Read it into a pandas dataframe. It is in a structured format with 3 columns: Postal Code, Borough, and Neighborhood; more than one neighborhood can exist in one postal code area.