

Coursera Capstone project - Toronto cuisine

Business problem:

The objective of the project is to analyse Toronto and select the best location to open a new japanese restaurant. We will be using Data Science methodology and instruments such as Data Analysis and Visualization. This will hopefully answer the business question of:

"Where in Toronto, should I as an investor, open up a new japanese Restaurant?"

Data

Data required:

- Lists of boroughs, neighborhoods and their latitudes and longitudes
- Venue data, related to japanese restaurants

Data sources:

- Datasets compiled from wikipedia
- Geocoder Python package for latitudes and longitude
- FourSquare API for venue data.

Methodology

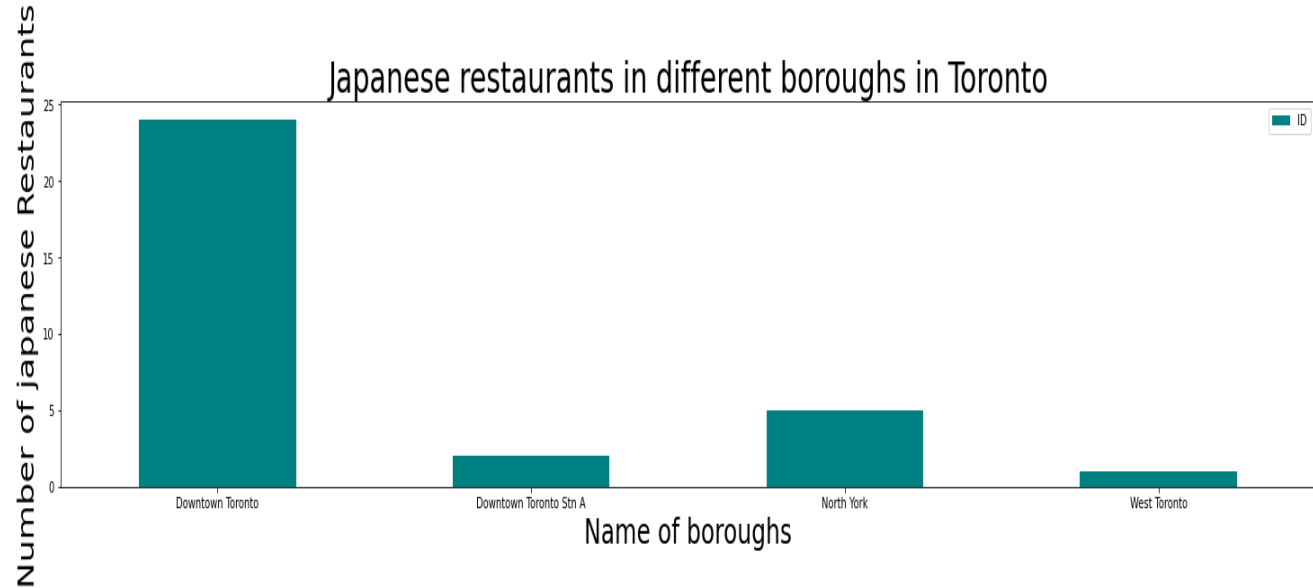
- Data collected from precompiled json file, which consists of https://en.wikipedia.org/wiki/List_of_postal_codes_of_Canada:_M
And geospatial_data.csv
- FourSquare, to locate all venues filtered by Japanese restaurants. Here we collect Ratings, tips and likes by users which is counted and added to the dataframe
- Sorting data based on rankings
- Visually display data using Python graphs

Results

Downtown Toronto has the most restaurants.

Downtown Toronto Stn. A has the highest rating.

The three highest rated neighborhoods are Harbourfront East, Union Station, Toronto Islands, and tied for second are St. James Town and University of Toronto, Hardbord.



Discussion

- Based on the result of the analysis Downtown Toronto Stn. A is the best locations for japanese cuisine in Toronto
- North York looks promising if you want to start a japanese restaurant business there.

Conclusion

- We have answered the question of “Where in Toronto, should I as an investor, open up a new japanese Restaurant?”
- We have found the best rated restaurants in Toronto
- The data here can be used to better determine advantages and disadvantages of opening a japanese restaurant in Toronto and to futher explore the opportunitues of such and adventure.

The end

Thank you for your time.