

Introduction:

Immigrating to a new country like Canada comes with much excitement as well as some fear of uncertainty. Our clients who is moving to Canada from Africa has been exploring ways of getting the best from his soon to be home. As a business minded person, he wants to know the neighborhood in Toronto where Restaurants are located and not only that, he wants to know what kind of restaurants exist in each location within a particular Borough or Neighborhood. He is convinced that having that information will help him make the right decisions as to what part of the city of Toronto he should reside or set up his business.

Therefore, in this project, our goal is to help our client answer the following questions and give more vital insights if possible:

- Where are restaurants located in the city of Toronto?
- What are the top restaurants in that Borough?
- How can I know the names or types of restaurants in specific address within the Borough?

Data description:

The initial dataset was collected from Wikipedia

(https://en.wikipedia.org/wiki/List_of_postal_codes_of_Canada:_M). It contains list of postal codes in the city of Toronto as well as the Borough and Neighborhood that falls within that postal code. Our initial dataset contains X rows and Y columns. From our initial dataset, there was no information about the restaurants in any Borough. In order to get data containing restaurants in the Boroughs, first we, we used the geopy python library to get the coordinates for each Borough. Secondly, we used the requests library to fetch more data about the Borough such as venues, and other useful data from the Foursquare API.

Having collected all these other data, we combine them to form a new dataset that necessary information which can help us answer the questions before us.