

Capstone project: Battle of Neighborhoods

Introduction

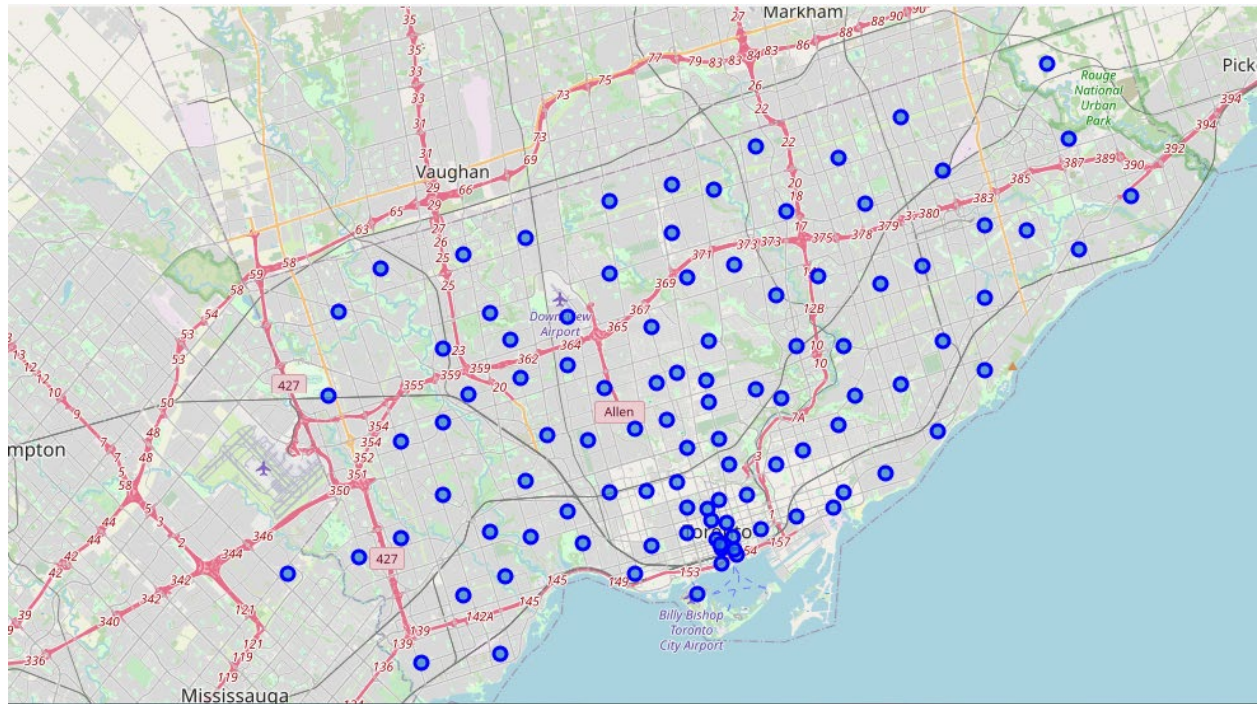
Toronto is Canada's biggest city. There are almost 3 million people living there and is the financial center of Canada. Every year there are multitudes of people from all over the world visiting this city. Immigration to Toronto from various continents is very high. Therefore Toronto has become one of the most multicultural and multiracial cities in the world. This has had a great effect on the cuisine of Toronto and made it very diverse and multicultural. Locals have hunger for ethnic foods and the restaurant owners have found this as a great opportunity to open new restaurants. However the biggest problem to discover which neighborhood is the best place in this giant city to open a restaurant? In this work we would like to focus our analysis on opening a Mediterranean restaurant. In our analysis we have to consider various factors or features that would play a major role to a solution. Therefore the question that needs to be answered is what dataset and what data content do we need to find the ideal place for a Mediterranean restaurant.

Data

Toronto Neighborhood and Borough Data from "list of postal codes of Canada" Wikipedia will be used. Then we will consider various neighborhoods and parts in the city for this project.

PostalCode	Borough	Neighborhood
M1B	Scarborough	Malvern, Rouge
M1C	Scarborough	Rouge Hill, Port Union, Highland Creek
M1E	Scarborough	Guildwood, Morningside, West Hill
M1G	Scarborough	Woburn
M1H	Scarborough	Cedarbrae
M1J	Scarborough	Scarborough Village
M1K	Scarborough	Kennedy Park, Ionview, East Birchmount Park
M1L	Scarborough	Golden Mile, Clairlea, Oakridge
M1M	Scarborough	Cliffside, Cliffcrest, Scarborough Village West
M1N	Scarborough	Birch Cliff, Cliffside West
M1P	Scarborough	Dorset Park, Wexford Heights, Scarborough Town...
M1R	Scarborough	Wexford, Maryvale

In order to get better understanding, neighborhoods of Toronto we plot Geo-special data by Folium map. This map shows us the potential of opening a Mediterranean restaurant successfully in different boroughs.



Finally we will collect data by using Foursquare API to learn about restaurants in specifically with Mediterranean cuisine in different parts of the city. This dataset will provide us the rating data for different restaurants in Toronto, areas with highest number of restaurants, ethnic foods in different Boroughs etc. By analyzing such data we will be able to recommend an ideal and lucrative location for a Mediterranean restaurant.