Visiting Toronto

1. Introduction

   Visiting a city it's often a matter of organization. With this project I want to use the example of Toronto to find different zones that can be visited in order optimize the trade off between interests, time and space.
   This project could help tourist and travel agencies to organize their trip and to find all the areas of the city considering what they want to do or to see.

2. Data

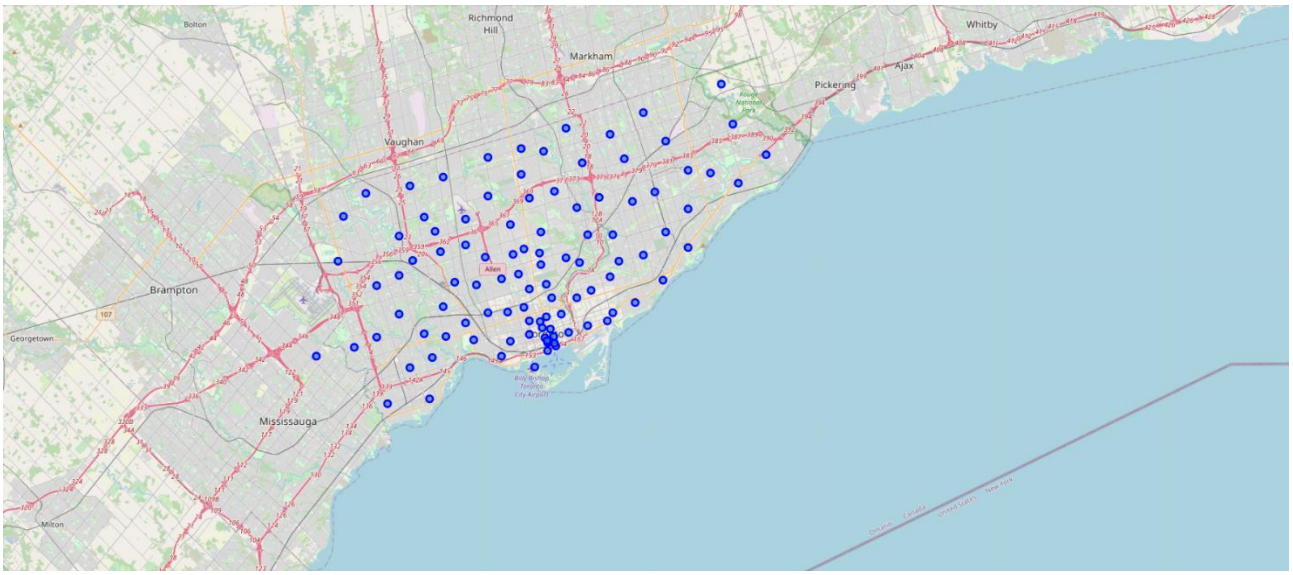
   In this project I will use a dataset found on Wikipedia with the data of every neighborhood of Toronto combined with their geographic coordinates, in order to build a map of the city.
   Thanks to Forsquare dataset, I will divide the city in different cluster based on what kind of venues are more frequent.

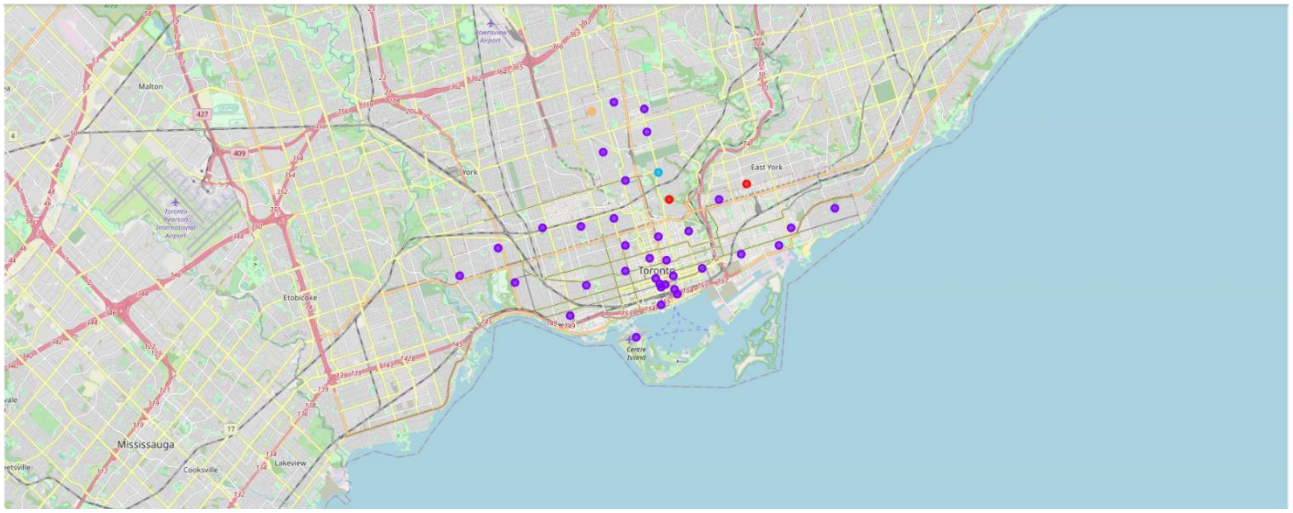
3. Methodology

   First of all, I created the dataset importing the data of the neighborhood of Toronto from wikpedia and merging it with the coordinates of each one. Then, with the help of Forsquare I clustered the city in different zones.

	PostalCode	Borough	Neighborhood
0	M3A	North York	Parkwoods
1	M4A	North York	Victoria Village
2	M5A	Downtown Toronto	Regent Park, Harbourfront
3	M6A	North York	Lawrence Manor, Lawrence Heights
4	M7A	Queen's Park	Ontario Provincial Government

	PostalCode	Borough	Neighborhood	Latitude	Longitude
0	M1B	Scarborough	Malvern, Rouge	43.806686	-79.194353
1	M1C	Scarborough	Rouge Hill, Port Union, Highland Creek	43.784535	-79.160497
2	M1E	Scarborough	Guildwood, Morningside, West Hill	43.763573	-79.188711
3	M1G	Scarborough	Woburn	43.770992	-79.216917
4	M1H	Scarborough	Cedarbrae	43.773136	-79.239476





4. Results

   The areas in cluster 1,3,4,5 have Parks and Playgrounds as most common attractions

   The area in cluster 2 have Cafè, restaurant as most common venues

5. Conclusions

   As we can see from the results, the areas in the cluster 2 are full of services, mostly restaurant, coffee shop and other venues helpful for tourists.