Capstone Project - The Battle of the Neighborhoods

Data gathering:

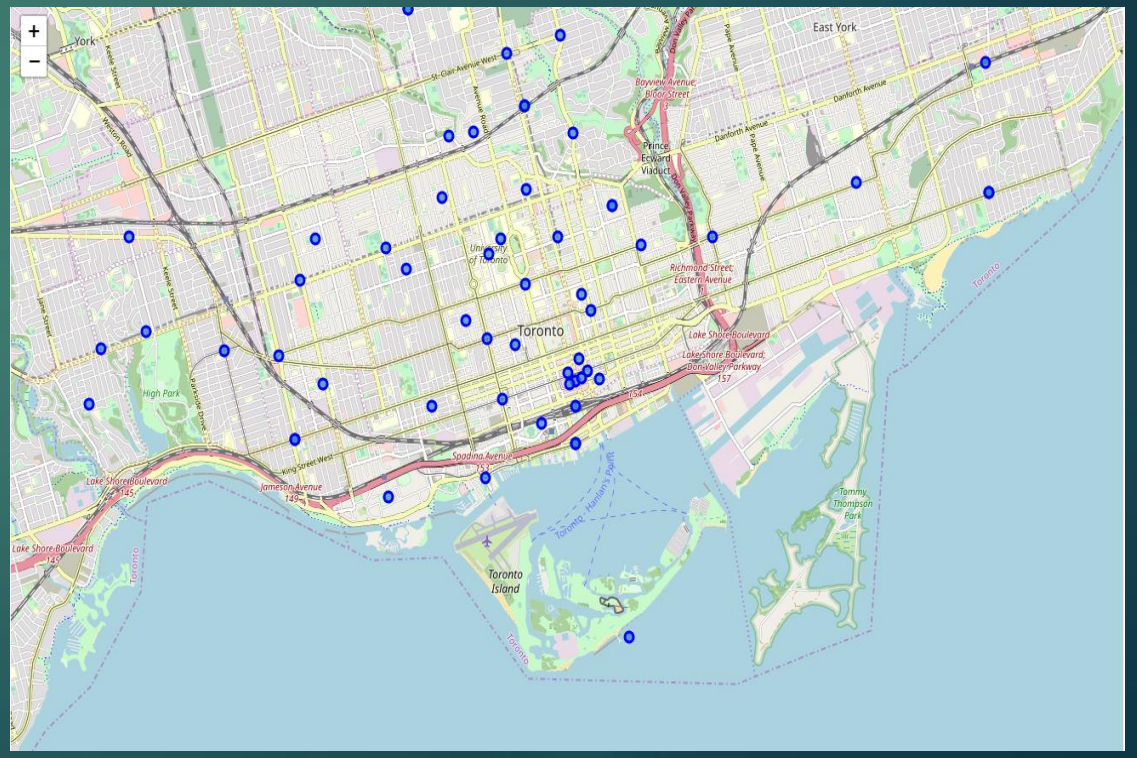
- Gathering data from Wikipedia about Toronto
- Scraped data and fill in the table information about boroughs and neigrhoods.

Out[7]:

	Postal_Code	Borough	Neighborhood
0	M1A	Not assigned	Not assigned\n
1	M2A	Not assigned	Not assigned\n
2	M3A	North York	Parkwoods
3	M4A	North York	Victoria Village
4	M5A	Downtown Toronto	Harbourfront
5	M6A	North York	Lawrence Heights
6	M6A	North York	Lawrence Manor
7	M7A	Downtown Toronto	Queen's Park
8	M8A	Not assigned	Not assigned\n
9	M9A	Queen's Park	Not assigned\n
10	M1B	Scarborough	Rouge
11	M1B	Scarborough	Malvern
12	M2B	Not assigned	Not assigned\n

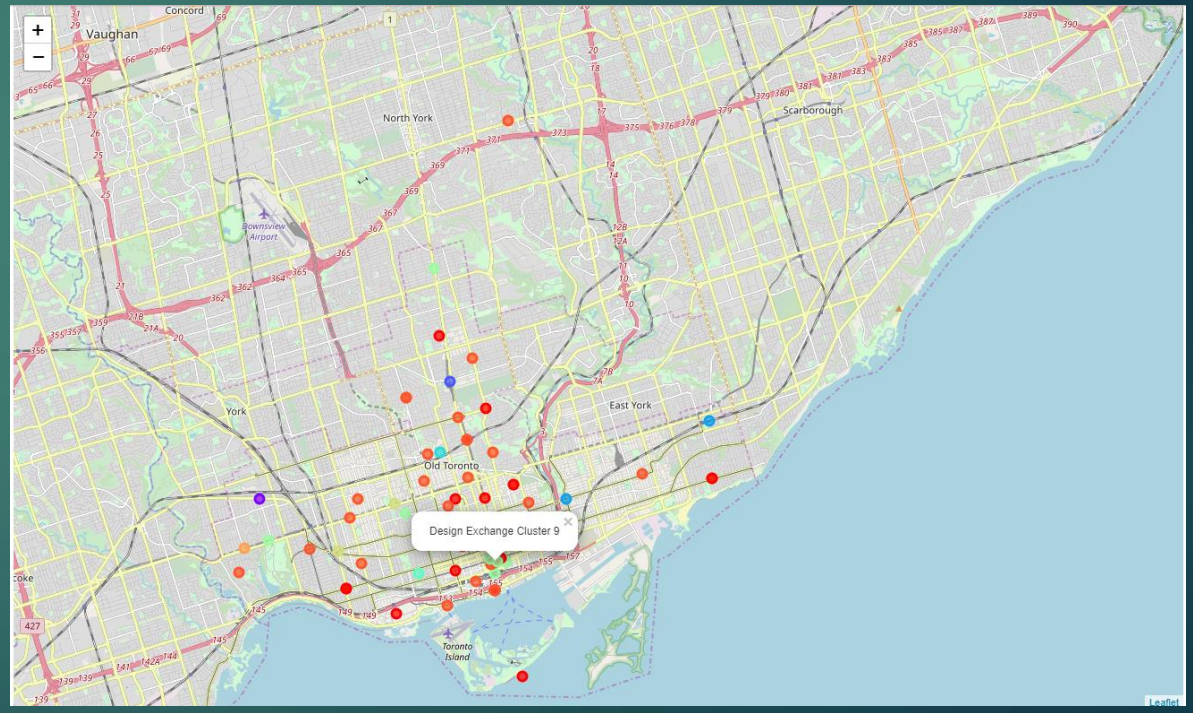
Map

- After clean data, for greater clarity, based on the data obtained, create a map.
- This map will include all places of interest to us:



Methodology

- Based on K-means methodology we create 10 clusters with venues.
- All necessary venues we get with FourSquere API.
- Finally we got map with density of places in Toronto:



Conclusion

- Based on data analyze we created clusters with necessary data.
- We can help for stakeholders what and where be able to open a new service.
- We analyzed places with maximum density of venues.