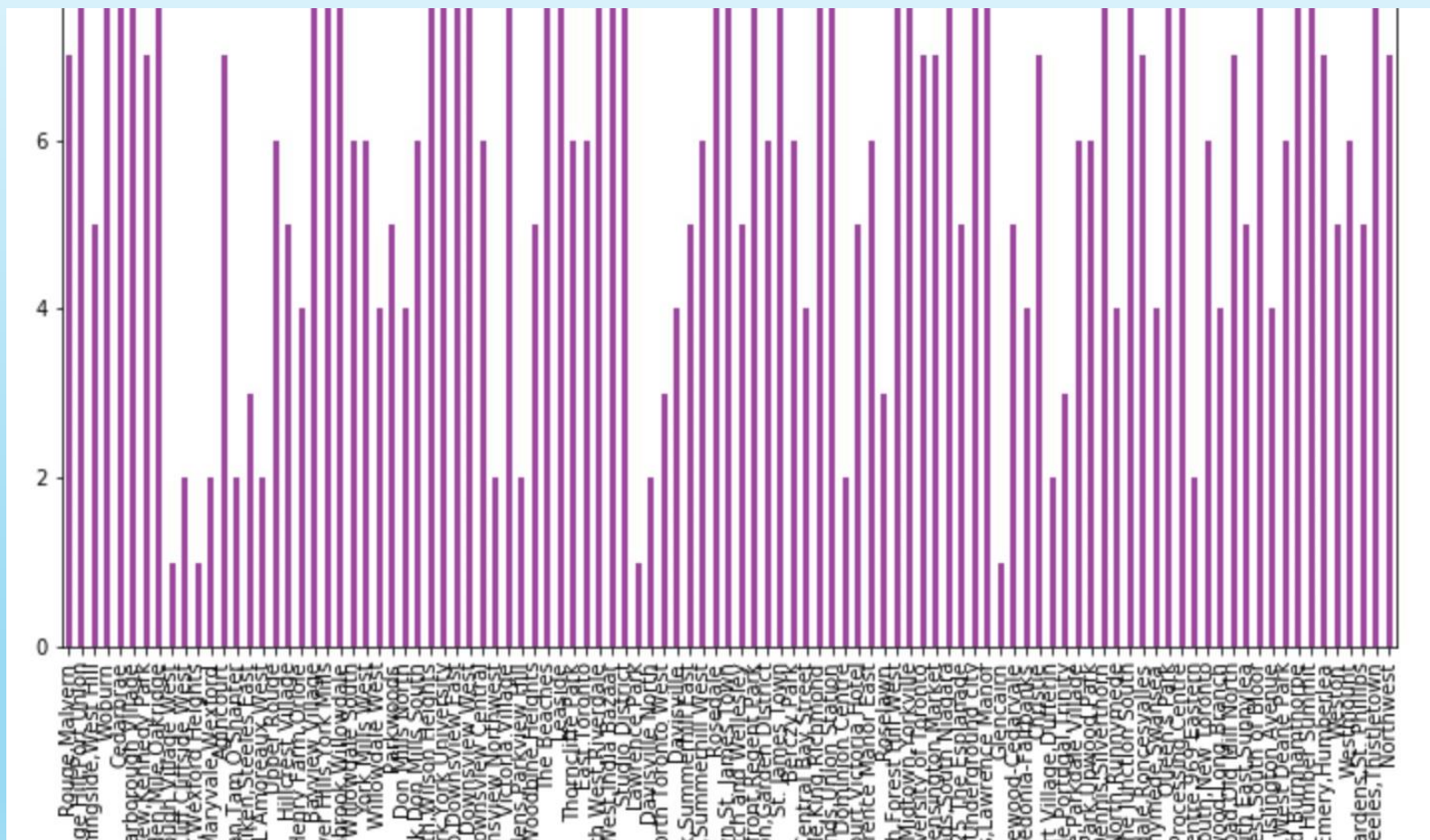
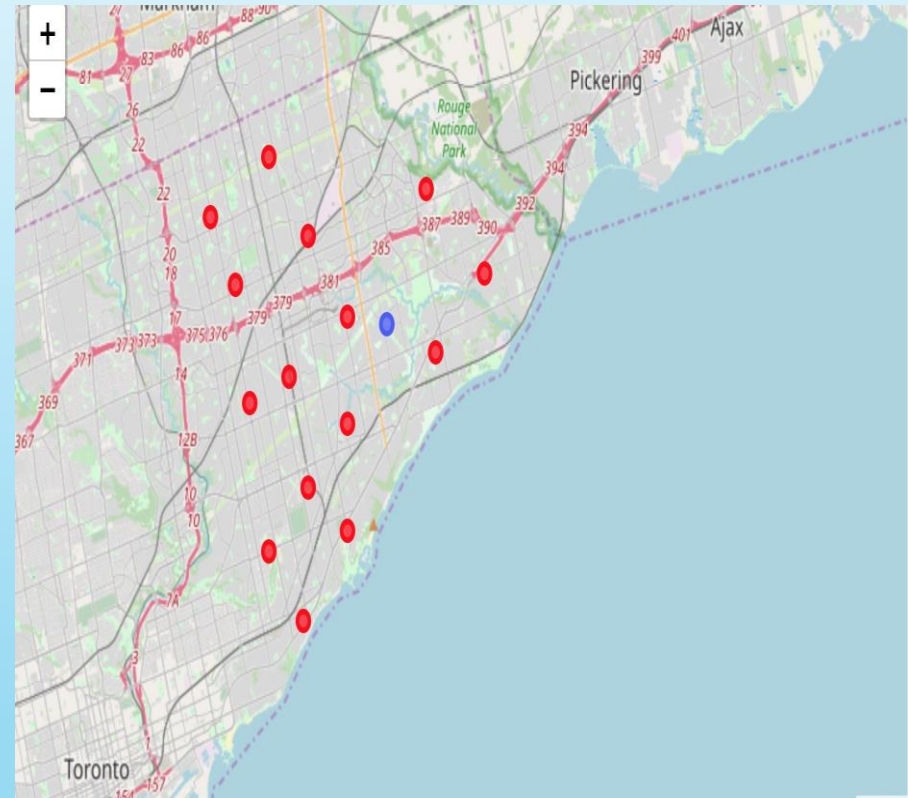
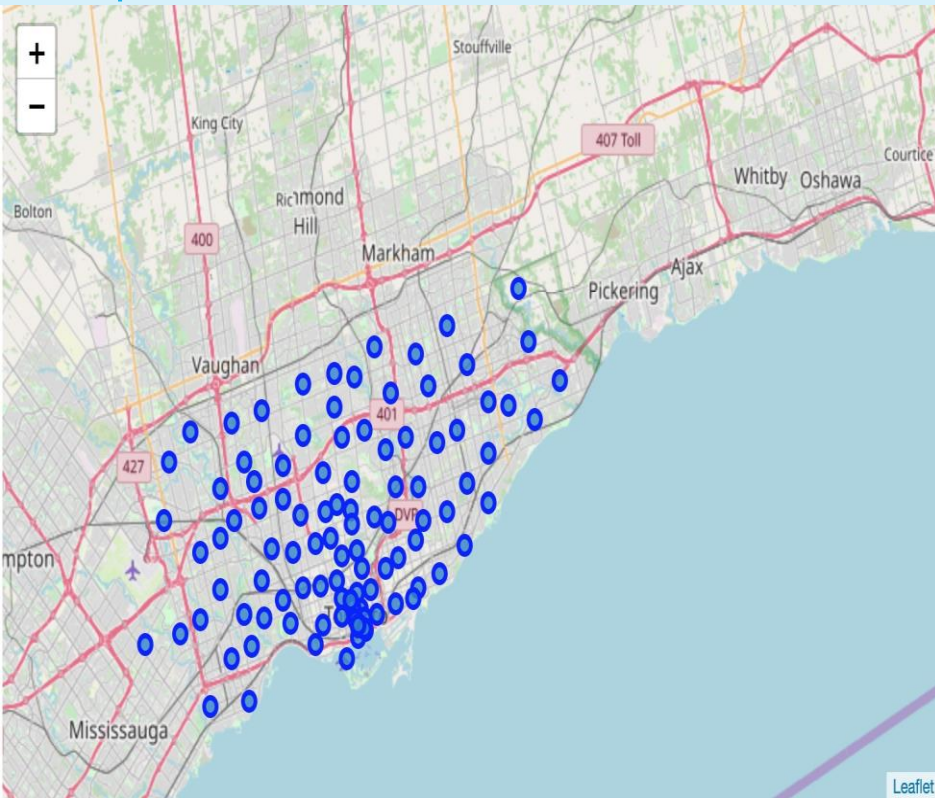


DATA SCIENCE CAPSTONE PROJECT

EXAMINING THE NEIGHBOURHOODS IN TORONTO (CANADA)



MAP & CLUSTER MAP



DATASETS

	name	categories	lat	lng
	Disney Store	Toy / Game Store	43.775537	-79.256833
	SEPHORA	Cosmetics Shop	43.775017	-79.258109
	American Eagle Outfitters	Clothing Store	43.776012	-79.258334
	St. Andrews Fish & Chips	Fish & Chips Shop	43.771865	-79.252645
	Canyon Creek Chophouse	Steakhouse	43.776959	-79.261694

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

	Neighbourhood	1st Most Common Venue	2nd Most Common Venue	3rd Most Common Venue	4th Most Common Venue	5th Most Common Venue
	Adelaide,King,Richmond	Coffee Shop	Restaurant	Café	Hotel	Theater
	Agincourt	Breakfast Spot	Lounge	Shanghai Restaurant	Motorcycle Shop	Latin American Restaurant
	Agincourt North,L'Amoreaux East,Miliken,Steel...	Pizza Place	Noodle House	BBQ Joint	Chinese Restaurant	Fast Food Restaurant
	Albion Gardens,Beaumont Heights,Humbergate,Jam...	Grocery Store	Caribbean Restaurant	Beer Store	Fried Chicken Joint	Discount Store
	Alderwood,Long Branch	Pizza Place	Convenience Store	Skating Rink	Sandwich Place	Pharmacy

CONCLUSION

In this Capstone project, using k-means cluster algorithm I separated the neighborhood into 10 different clusters and for different latitude and longitude from dataset, which have very-similar neighborhoods around them. Using the charts above results presented to a particular neighborhood based on average house prices and school rating have been made.