

Capstone Project

Opening a new Electronics Store in Toronto, Canada

Data:

The data used to solve this problem are geolocation data collected from FourSquire.com. Foursquare has one of the largest databases of more than 105 million locations and processed by more than 125,000 developers. Foursquare API provides many categories of site data, we are especially interested in the electronics store category to help us solve the business problem.

They will be grouped by neighborhoods and they are qualified which is the best location to set up an electronics store, it will turn away from the affected electronics stores and other commercial establishments.

	Neighborhood	1st Most Common Venue	2nd Most Common Venue	3rd Most Common Venue	4th Most Common Venue
0	Agincourt	Sandwich Place	Breakfast Spot	Latin American Restaurant	Lounge
1	Agincourt North	Playground	Park	Vietnamese Restaurant	Camera Store
2	Birch Cliff	General Entertainment	Skating Rink	College Stadium	Café
3	Cedarbrae	Caribbean Restaurant	Lounge	Thai Restaurant	Hakka Restaurant

To solve the problem, we will need the following data:

- List of neighborhoods in Toronto. This defines the scope of this project.
- Latitude and longitude coordinates of those neighborhoods. This is required in order to plot the map and to get the venue data.
- Venue data, particularly data related to Bars. We will use this data to perform clustering on the neighborhoods.

	Neighborhood	Neighborhood Latitude	Neighborhood Longitude	Venue	Venue Latitude	Venue Longitude	Venue Category
0	Rouge	43.806686	-79.194353	Wendy's	43.807448	-79.199056	Fast Food Restaurant
1	Malvern	43.806686	-79.194353	Wendy's	43.807448	-79.199056	Fast Food Restaurant
2	Highland Creek	43.784535	-79.160497	RIGHT WAY TO GOLF	43.785177	-79.161108	Golf Course
3	Highland Creek	43.784535	-79.160497	Royal Canadian Legion	43.782533	-79.163085	Bar
4	Rouge Hill	43.784535	-79.160497	RIGHT WAY TO GOLF	43.785177	-79.161108	Golf Course