

Identify Neighborhoods that are suitable
for raising families in Toronto

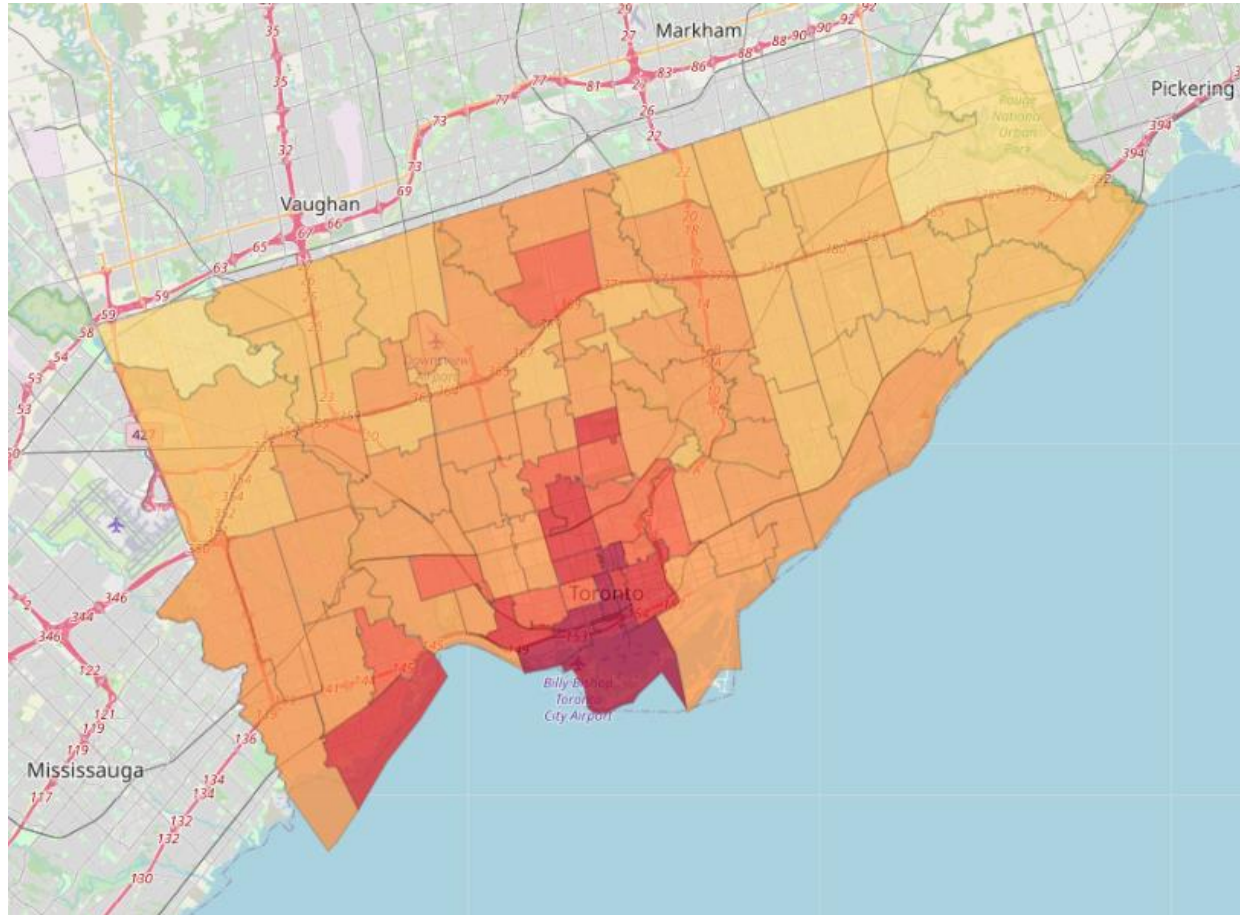
Business Problem

- The goal of the doing this analysis is to identify Neighborhoods in Toronto, Canada that are suitable for raising families with children.
- The audience of this business problem will be residential real estate developers as they would like to develop some residential housings where small families would like to live in.

Data Source

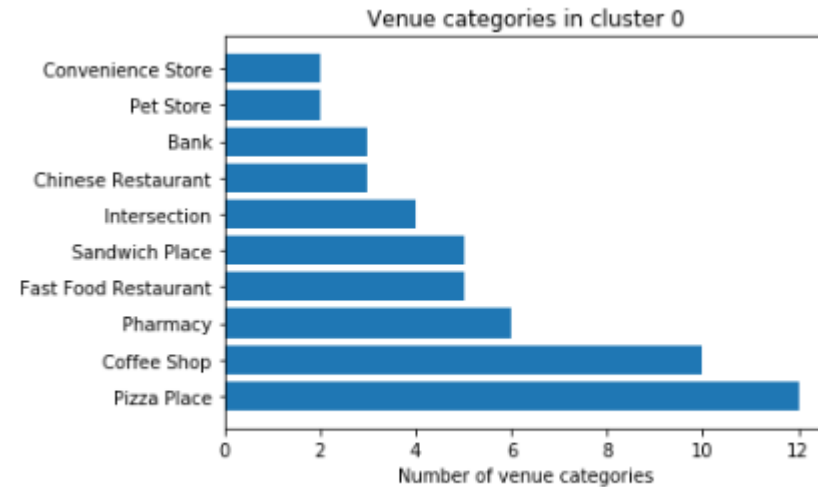
- Toronto city data that contains Boroughs, Neighborhoods along with their Latitude and Longitude.
 - ❑ Toronto Neighborhood Data
Source: https://en.wikipedia.org/wiki/List_of_postal_codes_of_Canada:_M
 - ❑ Latitude and Longitude Data Source: http://cocl.us/Geospatial_data
 - ❑ We will combine merge the above data source to get the exact Geo location for each neighborhood in Toronto, and will explore characteristics of each neighborhood using the combined data.
- Restaurants, Parks, Coffee shops in each neighborhood
 - ❑ Data Source: Foursquare API
 - ❑ We will use API information together with Toronto Neighborhood's location to identify which neighborhood has the best coffeeshops, restaurants, and parks combination.

Residential Population Density in Toronto



- It appears that people like to live in the south and center Toronto.

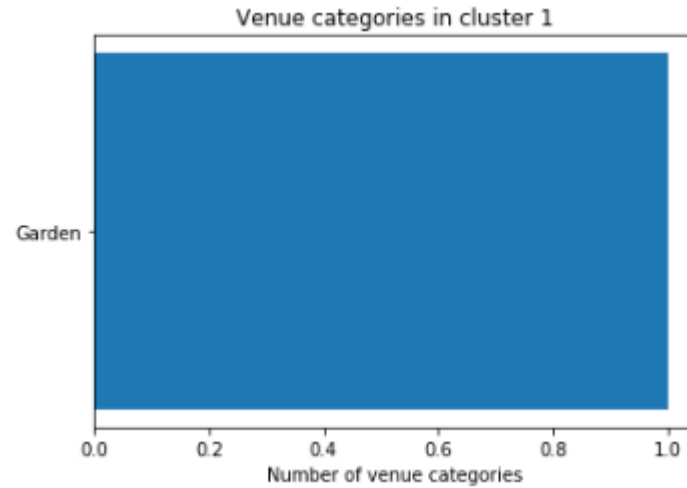
Cluster 0: Residential Areas or Downtown



Cluster 0 conclusion:

Venue categories in this cluster appear to be predominantly restaurants and Coffee Shop, suggesting places that are found in residential areas and Downtown.

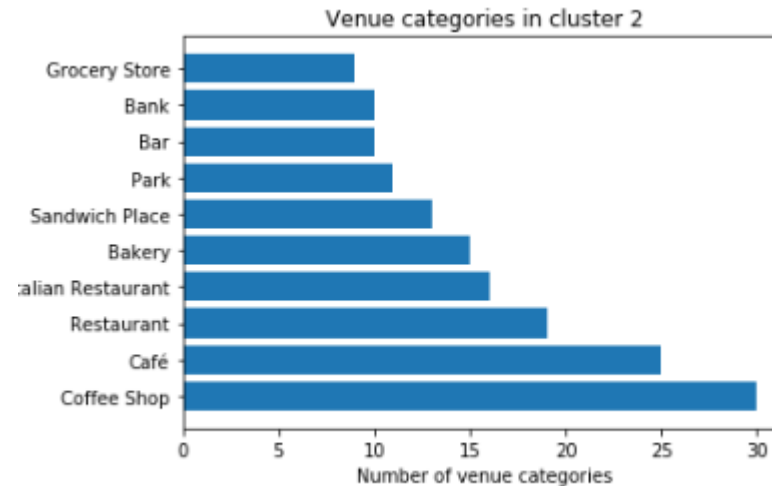
Cluster 1: Garden



Cluster 1 conclusion:

Venue categories in this cluster appear to be predominantly Garden.

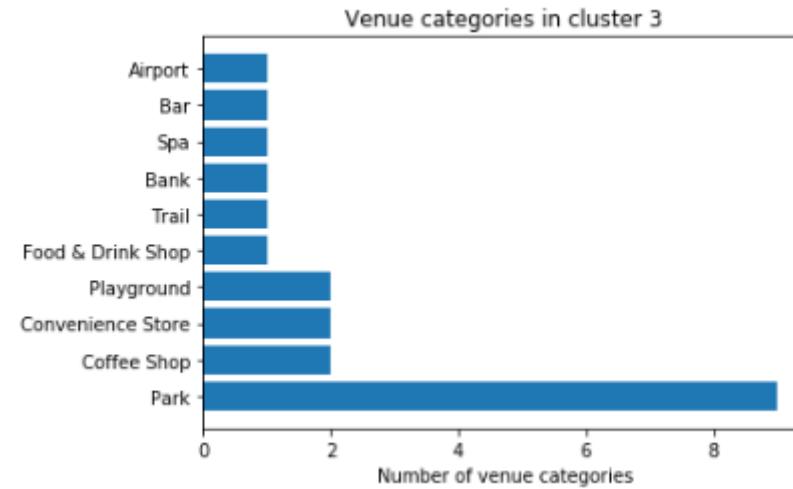
Cluster 2: Residential Areas/Downtown



Cluster 2 conclusion:

Venue categories in this cluster appear to be predominantly Cafes and Coffee Shop, suggesting places that are found in residential areas and Downtown.

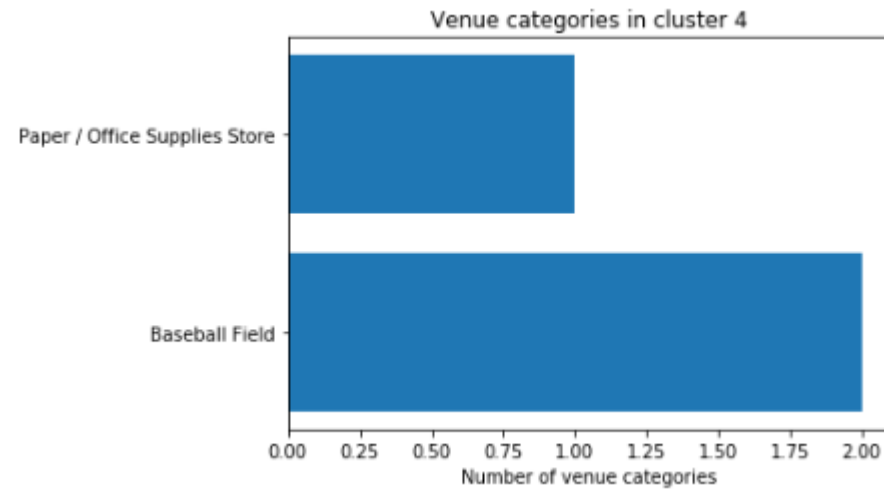
Cluster 3: Park



Cluster 3 conclusion:

This is a cluster of neighborhoods with parks, could be potentially a residential area.

Cluster 4: Baseball Field



Cluster 4 conclusion:

This is a cluster of neighborhoods with Baseball Field and Office Supply Stores.

Conclusion

- Among the above clusters it would appear that the following clusters are best suited for families with children:
- Cluster 0 and 2:
 - ❑ Venue categories in these 2 clusters are predominantly coffee shops, restaurants, cafes and some shops which is all suitable for families.