
MOST Common venues in Toronto by neighbourhood

IBM CAPSTONE PRESENTATION

INVESTMENTS

- Investors want to be sure of where to invest and in what.
- This tells the most common and famous places , category, longitude, latitude and other information of top 10 visited places in all the neighbourhoods in Toronto
- Makes it easier for investor and lessens the risk of failure

Data Acquisition and Cleaning

- Getting Data from wikipedia by web scraping using beautiful soup.
- Cleaning Data by removing unnecessary information from it and putting in dataframe
- Using foresquare api to get data.
- Using onehot coding technique on data frame to convert cateforical variable in numericals

Clustering

- Clustering using KMeans technique

	Neighborhood	1st Most Common Venue	2nd Most Common Venue	3rd Most Common Venue	4th Most Common Venue	5th Most Common Venue	6th Most Common Venue	7th Most Common Venue	8th Most Common Venue	9th Most Common Venue	10th Most Common Venue
0	Adelaide	Steakhouse	Café	Pizza Place	Asian Restaurant	Hotel	Concert Hall	Monument / Landmark	Plaza	Food Court	Lounge
1	Agincourt	Lounge	Breakfast Spot	Chinese Restaurant	Sandwich Place	Dance Studio	Electronics Store	Eastern European Restaurant	Dumpling Restaurant	Drugstore	Dog Run
2	Agincourt North	Park	Playground	Asian Restaurant	Curling Ice	Electronics Store	Eastern European Restaurant	Dumpling Restaurant	Drugstore	Dog Run	Discount Store
3	Albion Gardens	Grocery Store	Liquor Store	Pharmacy	Fast Food Restaurant	Fried Chicken Joint	Sandwich Place	Pizza Place	Beer Store	Video Store	Coffee Shop
4	Alderwood	Pizza Place	Gym	Skating Rink	Pharmacy	Pool	Pub	Dance Studio	Sandwich Place	Coffee Shop	Fruit & Vegetable Store

	Neighborhood	Neighborhood Latitude	Neighborhood Longitude	Venue	Venue Latitude	Venue Longitude	Venue Category
0	Malvern	43.806686	-79.194353	Wendy's	43.807448	-79.199056	Fast Food Restaurant
1	Malvern	43.806686	-79.194353	Interprovincial Group	43.805630	-79.200378	Print Shop
2	Rouge	43.806686	-79.194353	Wendy's	43.807448	-79.199056	Fast Food Restaurant
3	Rouge	43.806686	-79.194353	Interprovincial Group	43.805630	-79.200378	Print Shop
4	Rouge Hill	43.784535	-79.160497	Chris Effects Painting	43.784343	-79.163742	Construction & Landscaping

Conclusion

- Investor can see clearly what things are frequently visited in that neighbourhood and invest accordingly
- Advertisements , Politics , other campaigns can also be benefited by knowing neighbourhood and its people better