A Comparison of Calgary and Toronto for the Prospective IEC Work Permit Holder

CAPSTONE PROJECT – BATTLE OF THE NEIGHBORHOODS

Interested Parties – IEC Work Permit Holder

- Under 30.

- Seeking entry level job, fast hire, additional compensation of tips.

- Seeking active nightlife, ski hills, popular tourist attractions.

- Calgary and Toronto – popular destinations.

Data Acquisition

- Toronto Neighbourhood Data scraped from: https://en.wikipedia.org/wiki/List_of_postal_codes_of_Canada:_M

- Toronto Geospatial Data scraped from: http://cocl.us/Geospatial_data

- Calgary Neighborhood Data scraped from: https://en.wikipedia.org/wiki/List_of_postal_codes_of_Canada:_T

Data Cleaning

- Rows without assigned borough dropped.

- Rows where neighborhood not assigned, neighborhood given value of corresponding borough.

- Toronto geospatial data combined with neighborhood data, neighborhood data did not contain latitude and longitude values.

- Foursquare only generate 50 results at time, datasets filtered to make more specific.

- Downtown Toronto only.

- Downtown Calgary and surrounding suburbs.

Methodology

- Find all venues within 1000m radius of the neighborhood coordinates provided, Foursqaure leveraged.

- Venues filtered so only data corresponding to venue type of 'Restaurant' remained.

- Total number of restaurants for each postal code generated.

- Data sorted in order of most restaurants to least.

Toronto Results Table

	Neighborhood	Restaurant Total
17	University of Toronto, Harbord	14
3	Church and Wellesley	14
8	Kensington Market, Chinatown, Grange Park	14
6	Garden District, Ryerson	13
16	Toronto Dominion Centre, Design Exchange	13
11	Richmond, Adelaide, King	13
9	Queen's Park, Ontario Provincial Government	13
5	First Canadian Place, Underground city	13
4	Commerce Court, Victoria Hotel	13
13	St. James Town	12
2	Christie	12
1	Central Bay Street	11
14	St. James Town, Cabbagetown	10
15	Stn A PO Boxes	10
0	Berczy Park	10
10	Regent Park, Harbourfront	6
7	Harbourfront East, Union Station, Toronto Islands	4
12	Rosedale	2

Toronto Results Graph

Total Restaurants in Toronto Neighborhoods
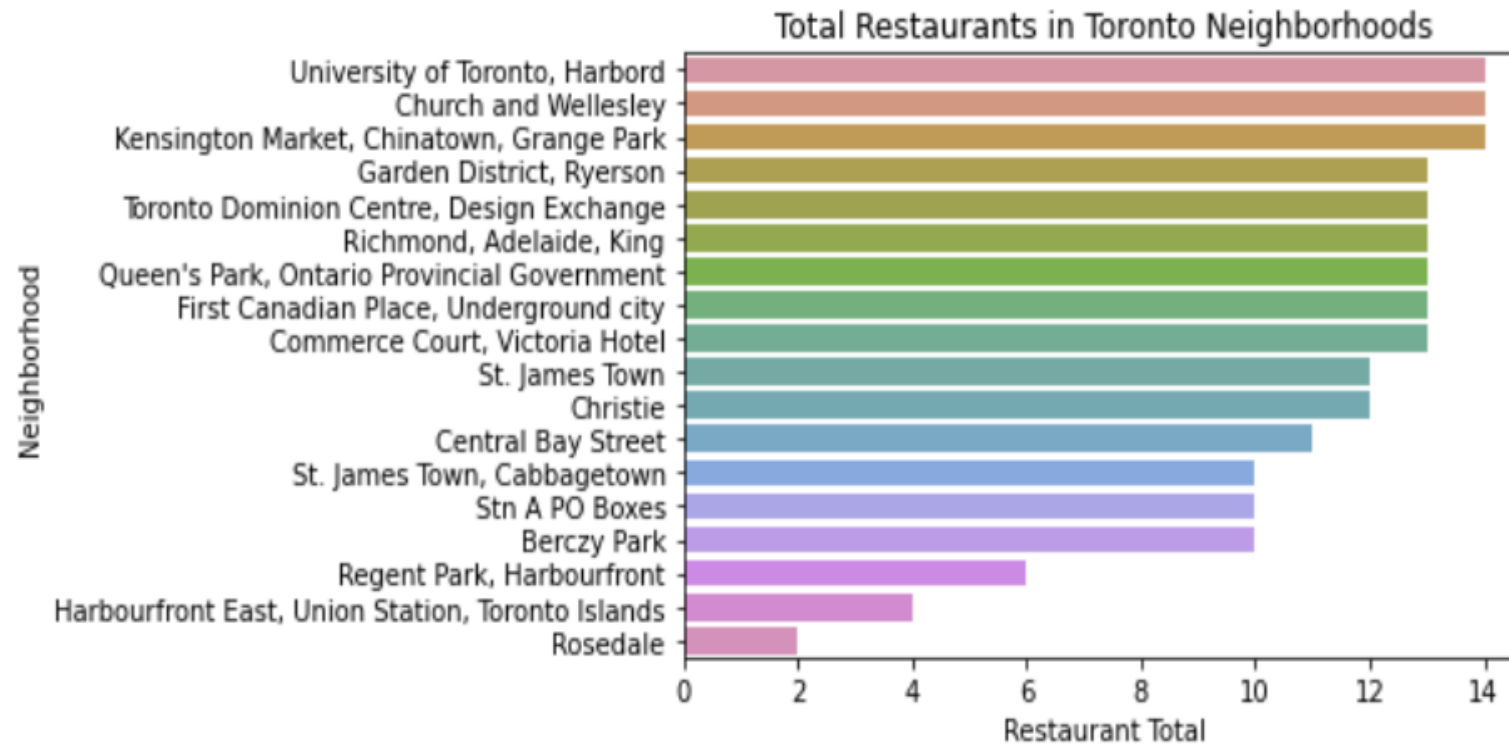
Calgary Results Table

	Neighborhood	Restaurant Total
1	Bridgeland, Greenview, Zoo, YYC	21
6	Highfield, Burns Industrial	20
13	Oak Ridge, Haysboro, Kingsland, Kelvin Grove, ...	20
3	Connaught, West Victoria Park	19
2	City Centre, Calgary Tower	17
7	Inglewood, Burnsland, Chinatown, East Victoria...	15
11	Millrise, Somerset, Bridlewood, Evergreen	15
15	South Calgary (Altadore / Bankview / Richmond)	10
5	Forest Lawn, Dover, Erin Woods	6
10	Midnapore, Sundance	6
12	Mount Pleasant, Capitol Hill, Banff Trail	6
8	Kensington, Westmont, Parkdale, University	3
9	Lynnwood Ridge, Ogden, Foothills Industrial, G...	2
14	Penbrooke Meadows, Marlborough	2
0	Braeside, Cedarbrae, Woodbine	1
4	Douglas Glen, McKenzie Lake, Copperfield, East...	1

Calgary Results Graph

Total Restaurants in Calgary Neighborhoods
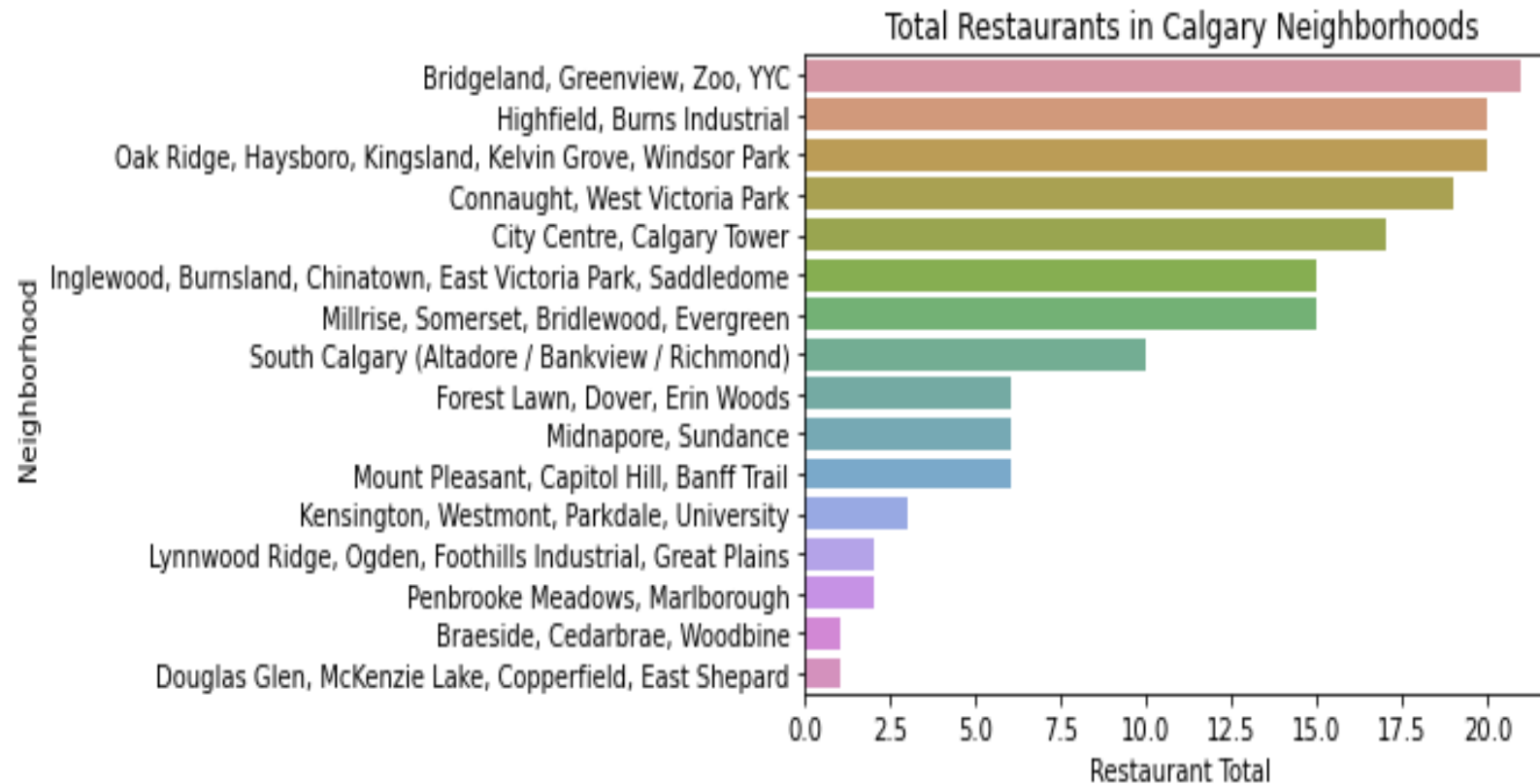
Conclusions

- Calgary has greatest number of restaurants in single area.

- Toronto has a lot more areas where total number of restaurants within a 1000m radius exceeds 10,12 areas vs 7.

- Difficult for individual just entered Canada to find place to rent.

- Toronto provide greater flexibility for the young worker.

- Toronto more desirable city for IEC Work Permit holder.