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# COURSERA CAPSTONE PROJECT BATTLE OF NEIGHBORHOOD

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# OVERVIEW

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- Data Section
- Methodology
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# INTRODUCTION

- X is a software company and their customer company Y is based in New York organizing event. Company X and Y deal with a project and currently work on a this project to organize an event for 5 days for a group of developers from all over the world. Company Y has determine to a program including, hotels, hall of meetings, places for visiting, places for shopping, restaurants, cafes etc. Company Y has to show the list of places in New York to attendees, including cafes, restaurants, hall of meetings, hotels etc. It has provide a map in case attendee can't use here mobile application for any reason.

## DATA SELECTION

- The data used in this project is provided by Foursquare location data. The data grouped by landscape area, and each included the information about this area and all information about restaurants, cafes, and stores in which this area.

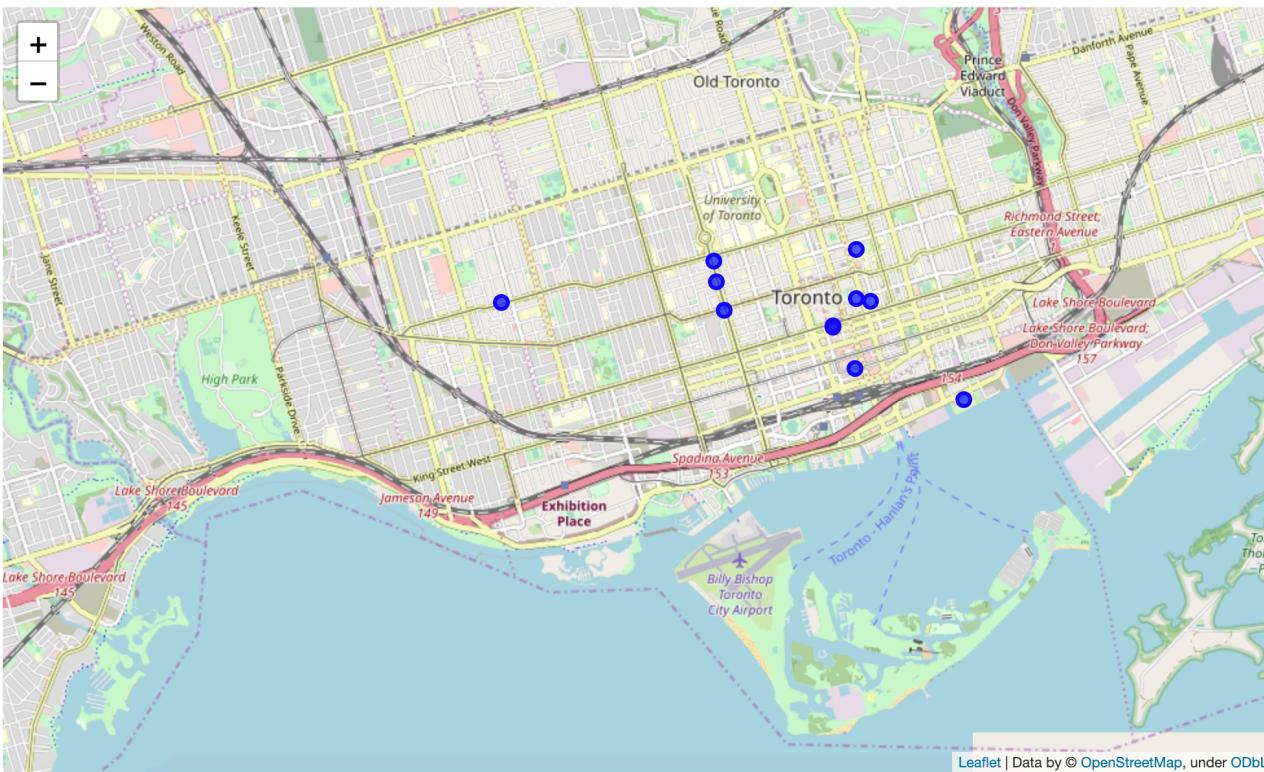
## METHODOLOGY

*For this report I used a few different maps that could help a new investor to decide the best neighborhood to open a restaurant in Toronto based on it's income, population and available competitors. In order to do that I've used the 2016 Census information combined with choropleth maps to visually display the wealthier and more populational neighborhoods and Foursquare data to display the current restaurants in each region.*

# RESULTS

		name	categories	address	lat	lng	postalCode	state
0		Sheraton Centre Toronto Hotel	Hotel	123 Queen Street West	43.651129	-79.383829	M5H 2M9	ON
1		Grand Ballroom	Event Space	123 Queen St. W	43.651217	-79.383771	M5H 2M9	ON
2		Stay Cafeteria 慢走	Asian Restaurant	388 Spadina Ave	43.655454	-79.399163	M5T 2G5	ON
3		Cafeteria	Mexican Restaurant	974 College St	43.653419	-79.427678	M6H 1A5	ON
4		De La Salle College Cafeteria	College Cafeteria	131 Farnham Avenue	43.683003	-79.397815	M4V 1H7	ON
5		Marketeria	Restaurant	30 Bond St.	43.653585	-79.378843	M5B 1W8	ON
6		The Hub	College Cafeteria	350 Victoria St.	43.658585	-79.380622	M5B 2K3	ON
7	George Brown College St. James Campus		Community College	51 Dockside Dr	43.644163	-79.366375	M5A 0B6	ON
8		One Hour	Chinese Restaurant	435 Spadina Ave.	43.657399	-79.399649	M5T 2T6	ON
9		Dragon City Shopping Mall 龍城	Shopping Mall	280 Spadina Ave	43.652774	-79.398222	M5T 3A5	ON
10		TD Centre Shopping Concourse	Shopping Mall	66 Wellington St W	43.647184	-79.380932	M5K 1A1	ON
11		CF Toronto Eaton Centre	Shopping Mall	220 Yonge St	43.653852	-79.380655	M5B 2H1	ON

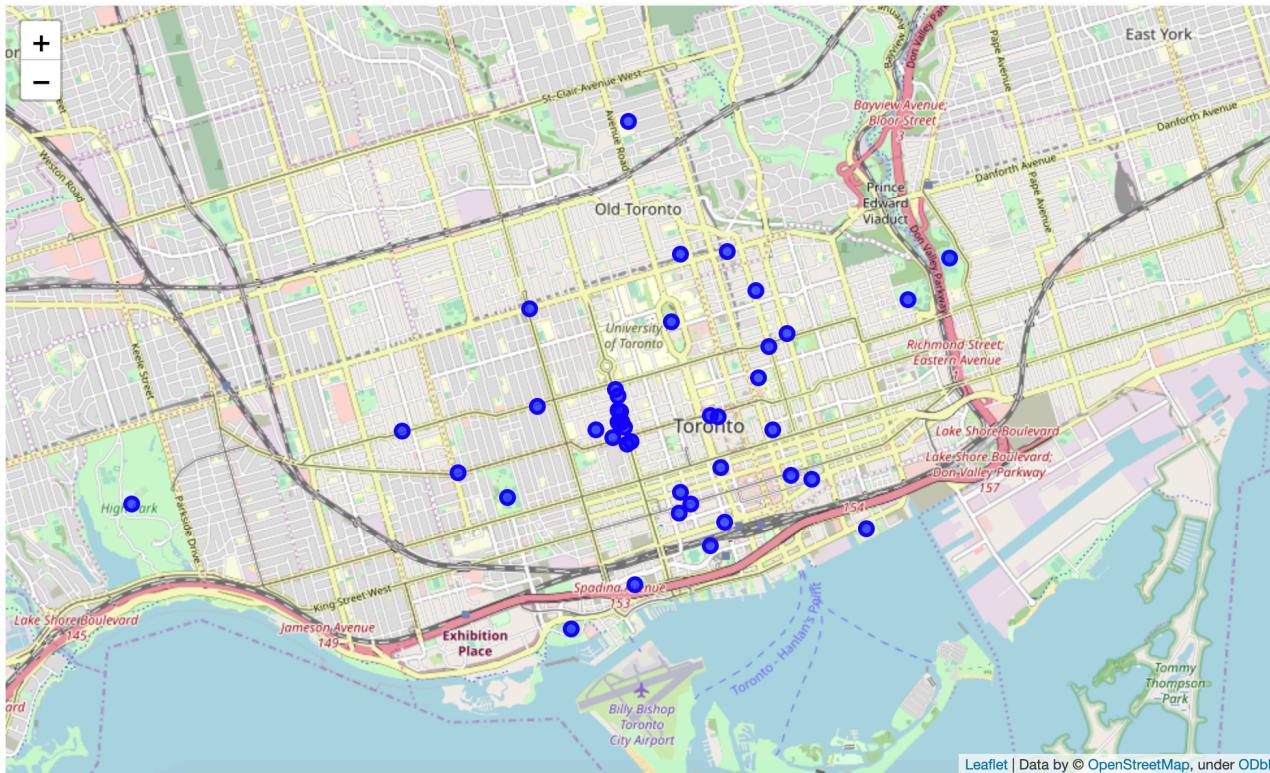
# RESULTS



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	name	categories	address	lat	lng	postalCode	state
0	Trinity Bellwoods Park	Park	1053 Dundas St. W.	43.647072	-79.413756	M5H 2N2	ON
1	Bellevue Square Park	Park	btwn Bellevue & Augusta Ave.	43.653610	-79.402199	M5T 2N4	ON
2	Queen's Park	Park	University Ave.	43.663946	-79.392180	M5R 2E8	ON
3	High Park	Park	1873 Bloor St. W	43.646479	-79.463425	M6R 2Z3	ON
4	Riverdale Park West	Park	500 Gerrard St.	43.666048	-79.360941	M5A 2H3	ON
5	Riverdale Park East	Park	550 Broadview Ave	43.669951	-79.355493	M4K 2P1	ON
6	Coronation Park	Park	711 Lake Shore Blvd. W	43.634553	-79.405403	M5V 3T7	ON
7	Canoe Landing Park	Park	50 Fort York Blvd	43.638762	-79.397067	M5V 3Z1	ON
8	Barbara Hall Park	Park	519 Church St	43.666879	-79.381068	M4Y 2K9	ON
9	Hemispheres Restaurant & Bistro	American Restaurant	110 Chestnut Street	43.654884	-79.385931	M5G 1R3	ON
10	Rol San Restaurant 龍笙棧	Dim Sum Restaurant	323 Spadina Ave.	43.654318	-79.398650	M5T 2E9	ON
11	Azure Restaurant & Bar	Restaurant	225 Frnt St W	43.644749	-79.385113	M5V 2X3	ON
12	Victoria's Restaurant	Restaurant	37 King Street East	43.649298	-79.376431	M5C 1E9	ON
13	360 Restaurant	Wine Bar	301 Front St W	43.642537	-79.387042	M5V 2T6	ON
14	Goldstone Noodle Restaurant 金石	Noodle House	266 Spadina Ave	43.652278	-79.398039	M5T 2E4	ON
15	Victor Restaurant & Bar	Bar	30 Mercer Street	43.645634	-79.391125	M5V 1H3	ON
16	Swatow Restaurant 汕頭小食家	Chinese Restaurant	309 Spadina Ave.	43.653866	-79.398334	M5T 2E6	ON
17	Green Tea Restaurant Downtown	Chinese Restaurant	261 Spadina Avenue. Upper level	43.652488	-79.397501	M5T 2E3	ON
18	New Sky Restaurant 小沙田食家	Chinese Restaurant	353 Spadina Ave.	43.655337	-79.398897	M5T 2G3	ON
19	The Hot House Restaurant & Bar	American Restaurant	35 Church St	43.648824	-79.373702	M5E 1T3	ON
20	Tasty's Caribbean Restaurant & Catering	Caribbean Restaurant	405 Spadina Ave	43.656794	-79.399251	M5T 2G6	ON

# RESULTS



## DISCUSSION

In general, while all of these tools are useful, there is nothing like visiting the actual city, seeing the neighborhoods, and speaking with residents. If it's possible, an in person visit is highly recommended before making a big move.

# CONCLUSION

Although all of goals of this Project were met there is definitely room for further improvement and development as noted below. However, the goals of the project met and, with some more work, could easily be developed into a full fledged application that could support the opening business idea in an unknown location.

As per the neighborhood or restaurant type mentioned like places analysis can be checked. A venue with lowest risk and competition can be identified.