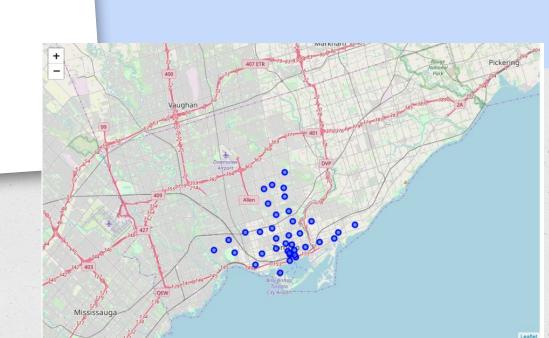
Trending places in TORONTO

Capstone Report

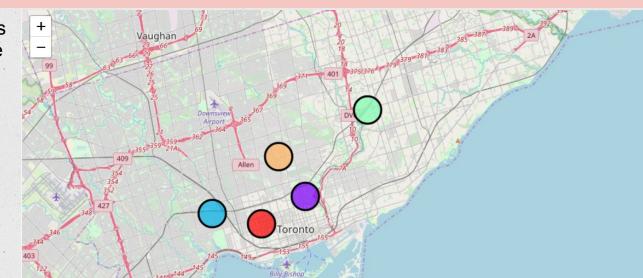


Introduction

A famous restaurant chain, headquartered in London, had slowly expanded their arms to various untouched cities in Europe.

Collaborated with major local players in approximately 34 cities in western Europe

The company wants to expand its boundary and this time they have their eye on Toronto. The company is looking forward for major experience and food players also they are looking forward for some trending places in Toronto.



Data

Focus here is to shortlist trending areas in the Toronto, and not the exact Restaurants and Entertainment centers.

Data from Foursquare.com as well various other website, also we will be loading some CSV containing data which might be helpful for our analysis.

Places	Latitude	Longitude
East Toronto	43.740571	-79.315266
West Toronto	43.665612	-79.471215
North Toronto	43.706400	-79.404222
South Toronto	43.677616	-79.377684
Central Toronto	43.657921	-79.421661
	East Toronto West Toronto North Toronto South Toronto	Places Latitude East Toronto 43.740571 West Toronto 43.665612 North Toronto 43.706400 South Toronto 43.677616 Central Toronto 43.657921

We had divided the whole Toronto into 5 main regions called North ,West, South, East and Central Toronto. We will be selecting one out of the five areas

Findings

We load the data in python and also use Foursquare API to generate a series of results which includes the trending area in Toronto.

Then we plot an histogram to visualise different places

Central Toron	nto 23		
East Toronto	17		
North Toronto	44		
South Toronto) 4		
West Toronto	56		
Name: Venue C	Category,	dtype:	int6

b	based on the number of different counts of venue.						ue.	e.		
	Places	Places Latitude	Places Longitude	Venue	Venue id	Venue Latitude	Venue Longitude			
0	East Toronto	43.740571	-79.315266	Georgy Porgy's	4b2ffd70f964a52003f424e3	43.741668	-79.314625	1		
	Eact									

Damas Grillhouse & Juice Bar 4d0bf09d3bc0b60c7e5bd1

Shooters Snooker & Sports Club 4ddb3971922e1b86cddae4el

GoodLife Fitness North York Victoria

Venue Category American Restaurant Ice Cream Shop

Mediterranean

Restaurant

Pool Hall

-79 314141

-79.309296

-79.313052

Out[65]: Places

We explore the different venue using the Foursquares credentials and converting the obtained Json file in to the pandas dataframe for our further analysis.

	Places	Places Latitude	Places Longitude
0	East Toronto	43.740571	-79.315266
1	East Toronto	43.740571	-79.315266

43.740571

-79.315266

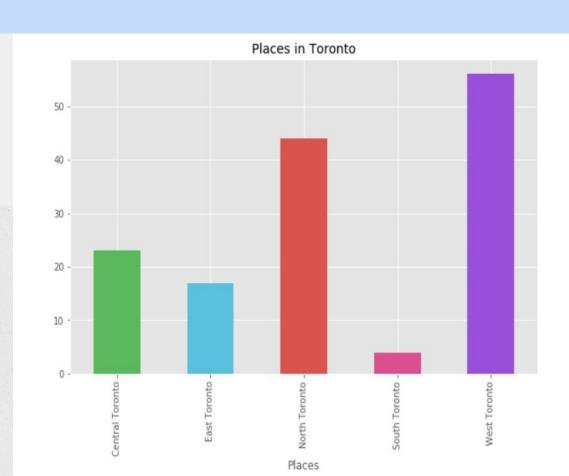
-79.315266

Findings

We group the places accordingly to the different venues counts on the data frame.

We load the data in python and also use Foursquare API to generate a series of results which includes the trending area in Toronto.

Then we plot an histogram to visualise different places based on the number of different counts of venue.



Findings

We select top 10 venues in each of the five zones, the python output is as follows:

Based on the users rating and average number people visiting that area, we had shortlisted several places in the Toronto.



--East Toronto---fre venue 0 American Restaurant 0.0 Chinese Restaurant 1 0.0 2 Mediterranean Restaurant 0.0 3 Intersection 0.0 4 Indian Restaurant 0.0 5 Ice Cream Shop 0.0

Home Service

Fried Chicken Joint

Pool Hall

Gym

0.0

0.0

0.0

0.0

6

7

8

9

Results

A. North Toronto should be the place where the company should target to acquire new partner in food industry as it has 4 out 10 food centres in the most common venue table.

Also all 4 of them fall under top 4 most common venue in North Toronto.



Results

B. Apart from North Toronto the Company can also Look forward in central Toronto

As west Toronto has 5 food centres out of its 10 most common venues list.

