



Vegan Restaurant

ABC Limited

Executive Summary

Objective

ABC Limited is a chain of vegan restaurant and want to expand the foot print in Toronto. Find best location for setting up a vegan restaurant either in Toronto.

Goals

Find best location for setting up a vegan restaurant either in Toronto backed by the data.

Solution

Using four square api gather data on neighbourhood in Toronto. Perform analysis and inference. Provide recommended location and risk matrix to business.

Introduction

In north America the popularity of vegan food is growing at large and people are showing more interest in vegan food. A recent study shows nearly 10 percent of Canadians consider themselves vegetarian or vegan while United States is at 2 percent, a significant shift in lifestyle is being observed. People are looking for more healthy food options.

ABC Limited share the ideology and focused on providing healthy food options through its chain of vegan restaurant. This project is to propose ideal location and neighbourhood to establish vegan restaurant in Toronto.

Data

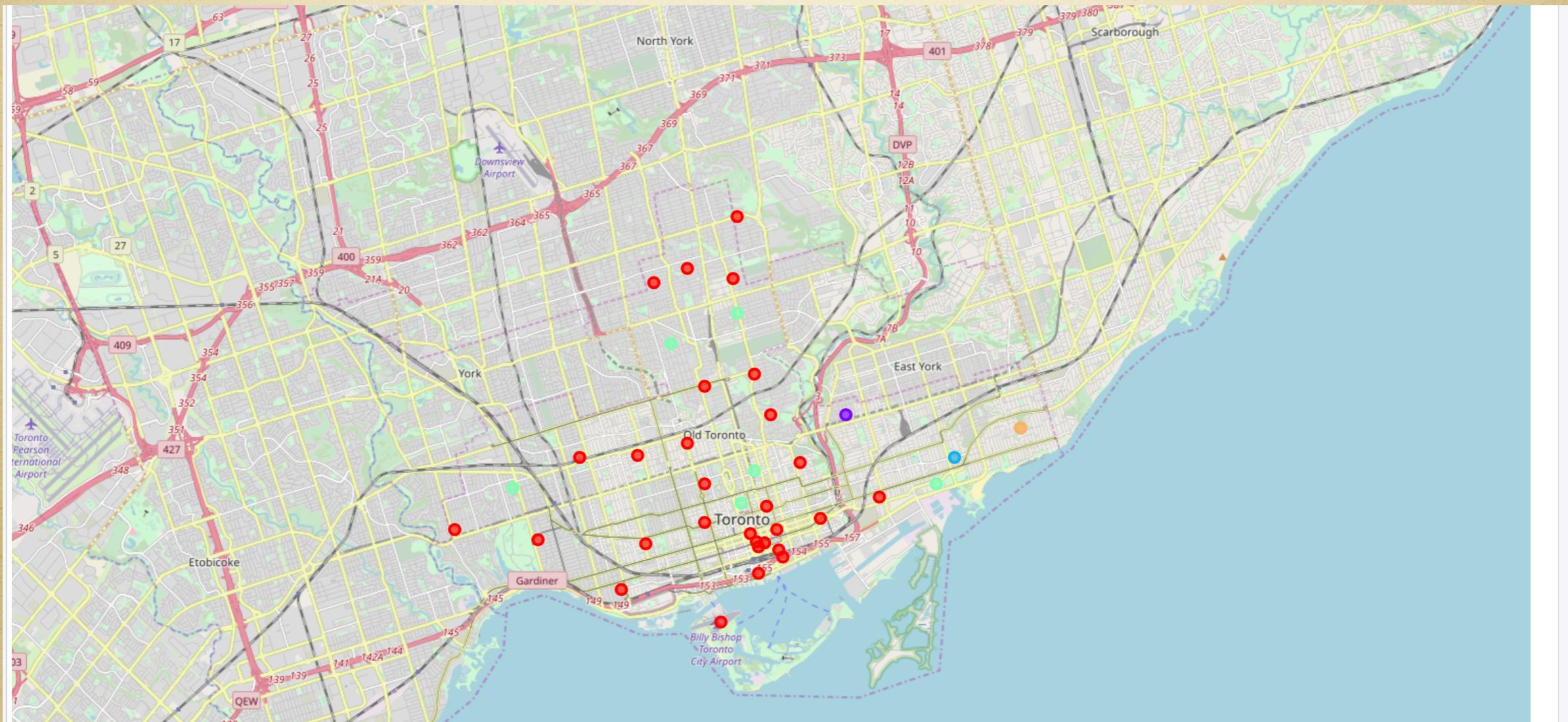
Get the Venues for Vegetarian/Vegan restaurant using
FourSquare API

The Category ID for vegetarian/Vegan restaurant is
mentioned on [https://developer.foursquare.com/docs/
resources/categories](https://developer.foursquare.com/docs/resources/categories)

Category ID Vegetarian / Vegan Restaurant
4bf58dd8d48988d1d3941735



Results



```
Toronto_venues.groupby('Neighbourhood').count()
```

:>

Neighbourhood	id	category	categoryID	name	address	postalcode	city	latitude	longitude
Business Reply Mail Processing Centre 969 Eastern	3	3	3	3	3	3	3	3	3
Cabbagetown, St. James Town	1	1	1	1	1	1	1	1	1
Central Bay Street	34	34	34	34	34	34	34	34	34
Church and Wellesley	9	9	9	9	9	9	9	9	9
Davisville	6	6	6	6	6	6	6	6	6
Davisville North	5	5	5	5	5	5	5	5	5
Deer Park, Forest Hill SE, Rathnelly, South Hill, Summerhill West	3	3	3	3	3	3	3	3	3
Dovercourt Village, Dufferin	1	1	1	1	1	1	1	1	1
Forest Hill North, Forest Hill West	3	3	3	3	3	3	3	3	3
Harbourfront, Regent Park	2	2	2	2	2	2	2	2	2
High Park, The Junction South	3	3	3	3	3	3	3	3	3
Moore Park, Summerhill East	1	1	1	1	1	1	1	1	1
North Toronto West	3	3	3	3	3	3	3	3	3
Rosedale	1	1	1	1	1	1	1	1	1
Roselawn	1	1	1	1	1	1	1	1	1
Runnymede, Swansea	1	1	1	1	1	1	1	1	1
The Beaches	2	2	2	2	2	2	2	2	2
The Beaches West, India Bazaar	3	3	3	3	3	3	3	3	3
The Danforth West, Riverdale	4	4	4	4	4	4	4	4	4

```
print('There are {} uniques categories.'.format(len(Toronto_venues['category'].unique())))
```

There are 13 uniques categories.

Conclusion

After analyzing the cluster the best recommendation for starting another vegan restaurant in Toronto will be in Toronto East as there are few restaurant and has scope of potential growth.