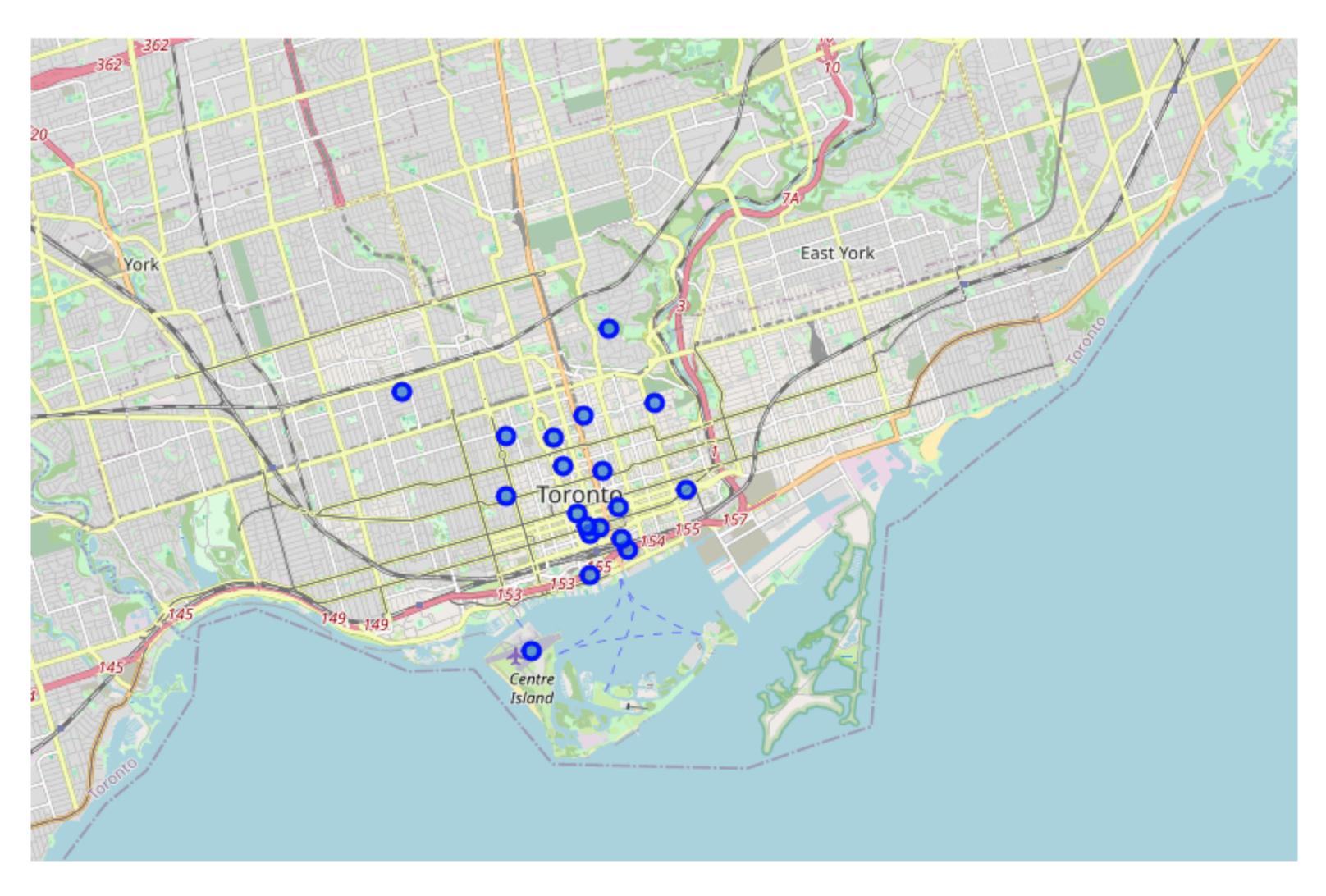
The Best Place to Open a New Restaurant in Toronto

For Applied Data Science Capstone

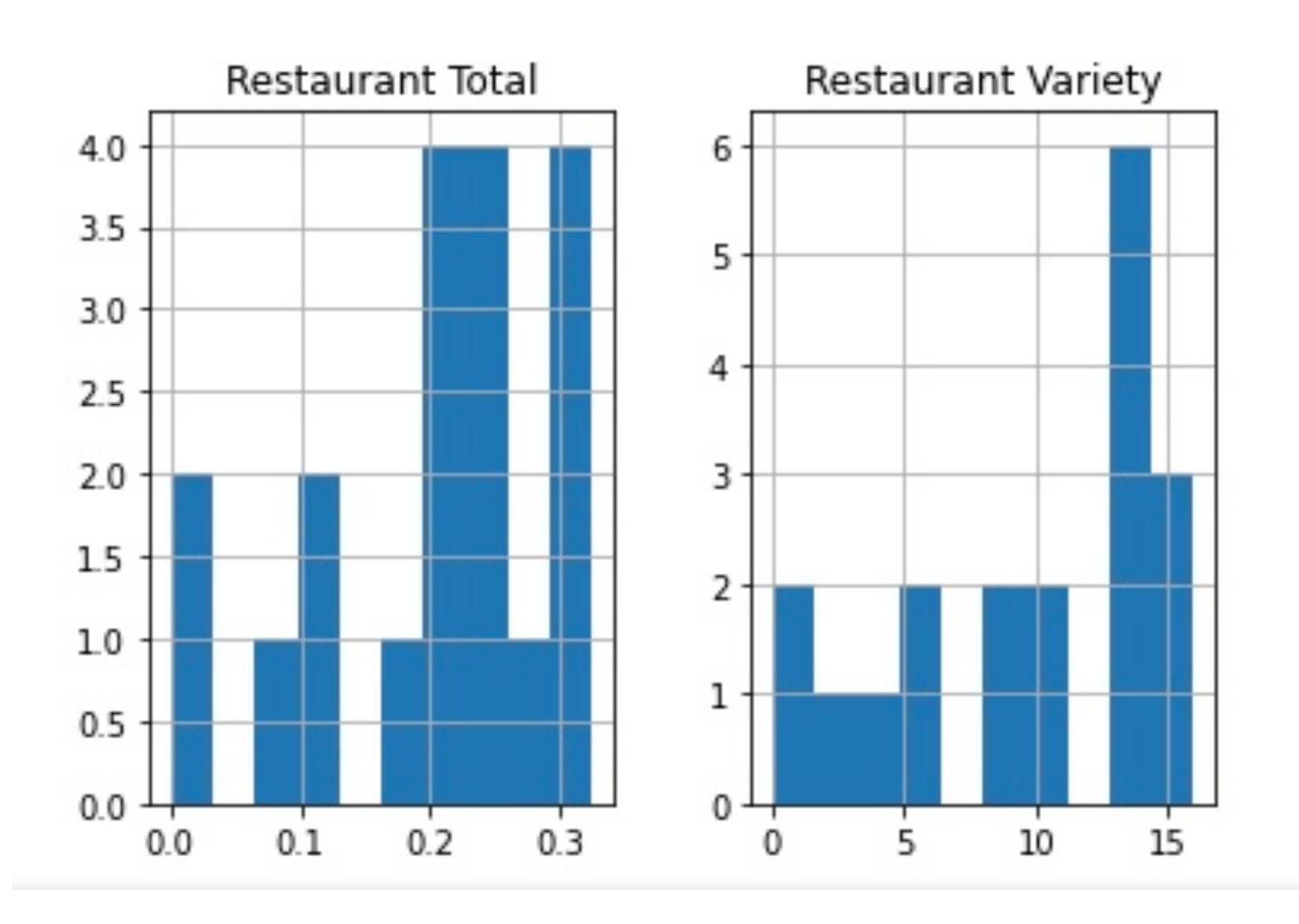
Neighborhoods in Toronto

Folium Map



Neighborhoods in Toronto

Top 100 venues in each neighborhood



After cleaning data, we plot histogram of restaurant total and restaurant variety.

Potential Place for Open a Restaurant

Restaurants Counts or Restaurant Variety: Top 5

Top 5 neighborhood by total restaurants

	Neighborhood	Restaurant Total	Restaurant Variety
4	Church and Wellesley	0.325000	14
5	Commerce Court, Victoria Hotel	0.310000	13
6	First Canadian Place, Underground city	0.300000	16
9	Kensington Market, Chinatown, Grange Park	0.295082	10
14	St. James Town	0.269231	15

Top 5 neighborhood by variety

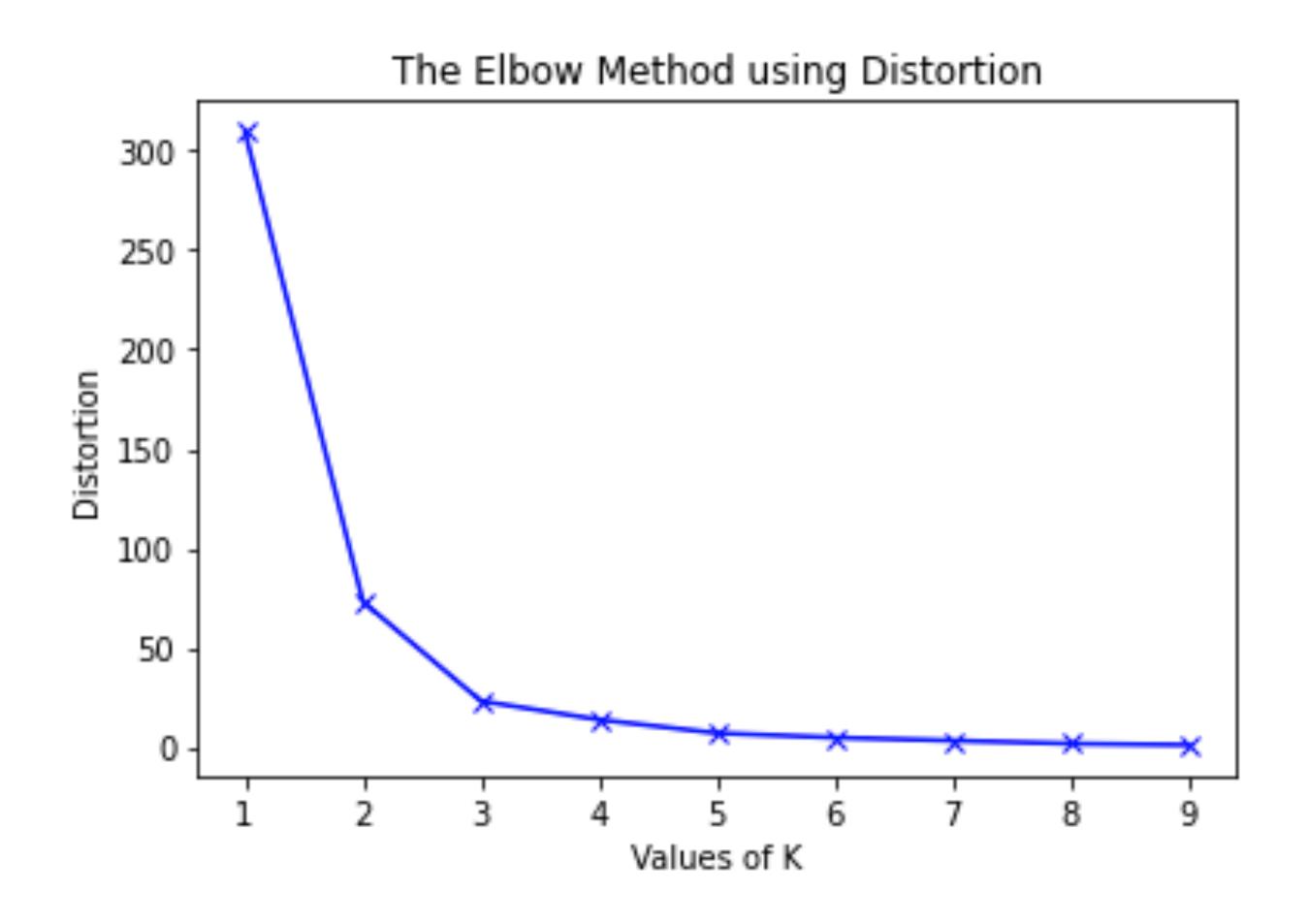
	Neighborhood	Restaurant Total	Restaurant Variety
12	Richmond, Adelaide, King	0.244681	16
6	First Canadian Place, Underground city	0.300000	16
14	St. James Town	0.269231	15
17	Toronto Dominion Centre, Design Exchange	0.260000	14
4	Church and Wellesley	0.325000	14

Analysis

Combining the neighborhoods with high total restaurants and high restaurant variety, the following neighborhoods are good places for opening a new restaurant.

- Church and Wellesley
- First Canadian Place, Underground city
- St.James Town

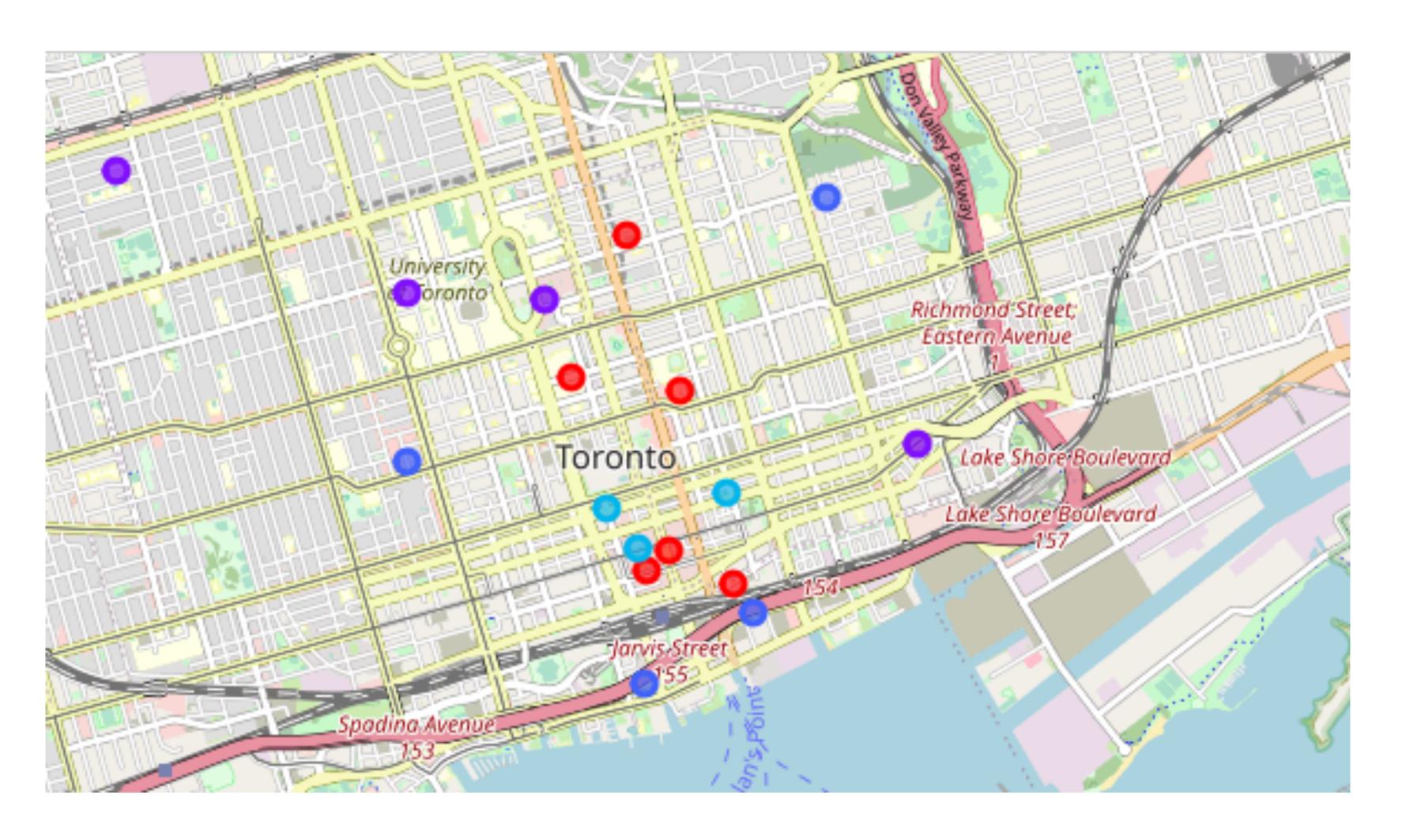
Which type of restaurant? clustering



Analysis

We choose the optimum K for k-Means is 4 by using elbow method.

Toronto Map with Different Clusters



Four clusters have been mapped on the map.

- Church and Wellesley belongs to Cluster 1
- First Canadian Place,
 Underground city
 belongs to Cluster 4
- St.James Town belongs to Cluster 3

Neighborhood

Garden District, Ryerson

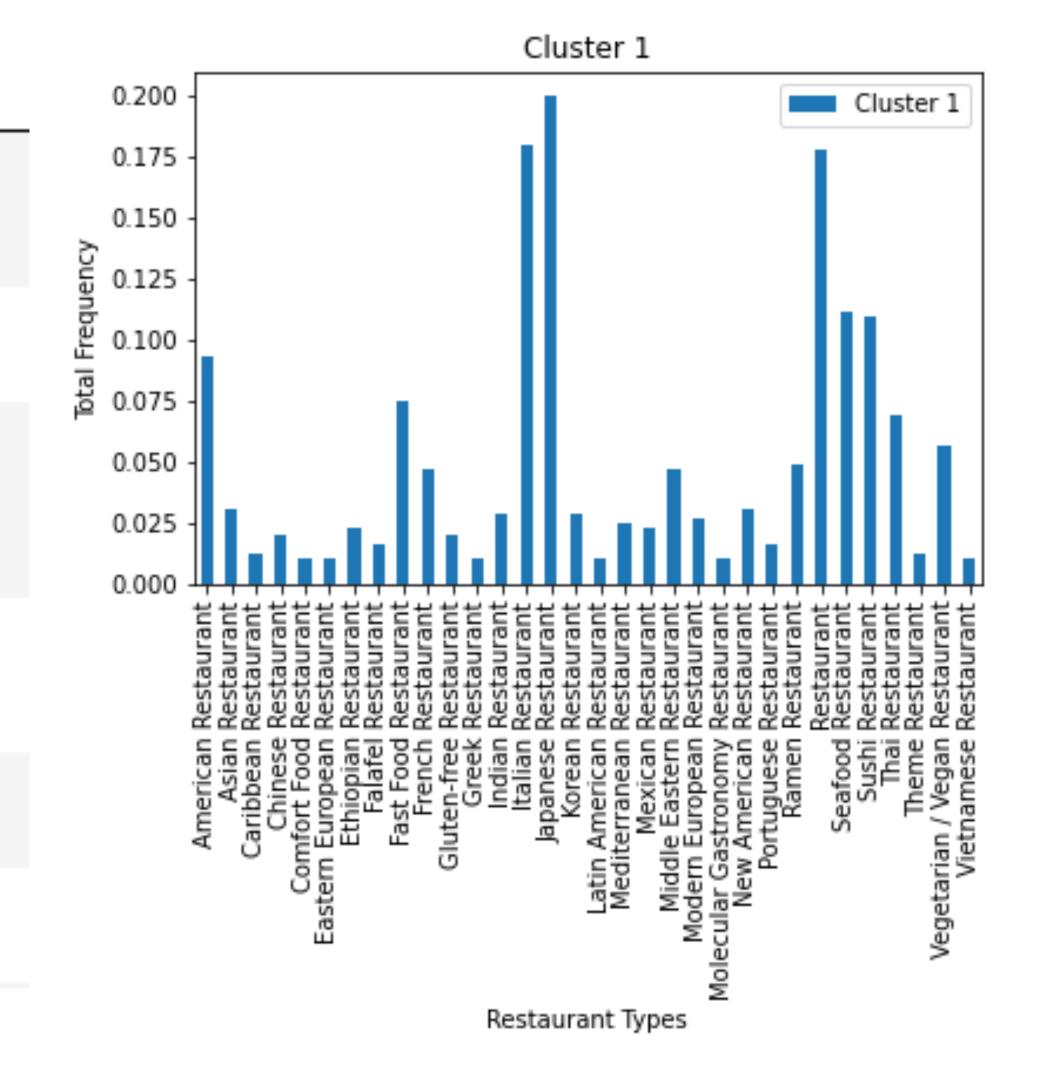
Central Bay Street

Toronto Dominion Centre, Design Exchange

Commerce Court, Victoria Hotel

> Stn A PO Boxes

Church and Wellesley



Analysis for cluster 1

- Italian restaurant
- Japanese restaurant
- Seafood restaurant
- Sushi restaurant
- unclassified restaurant

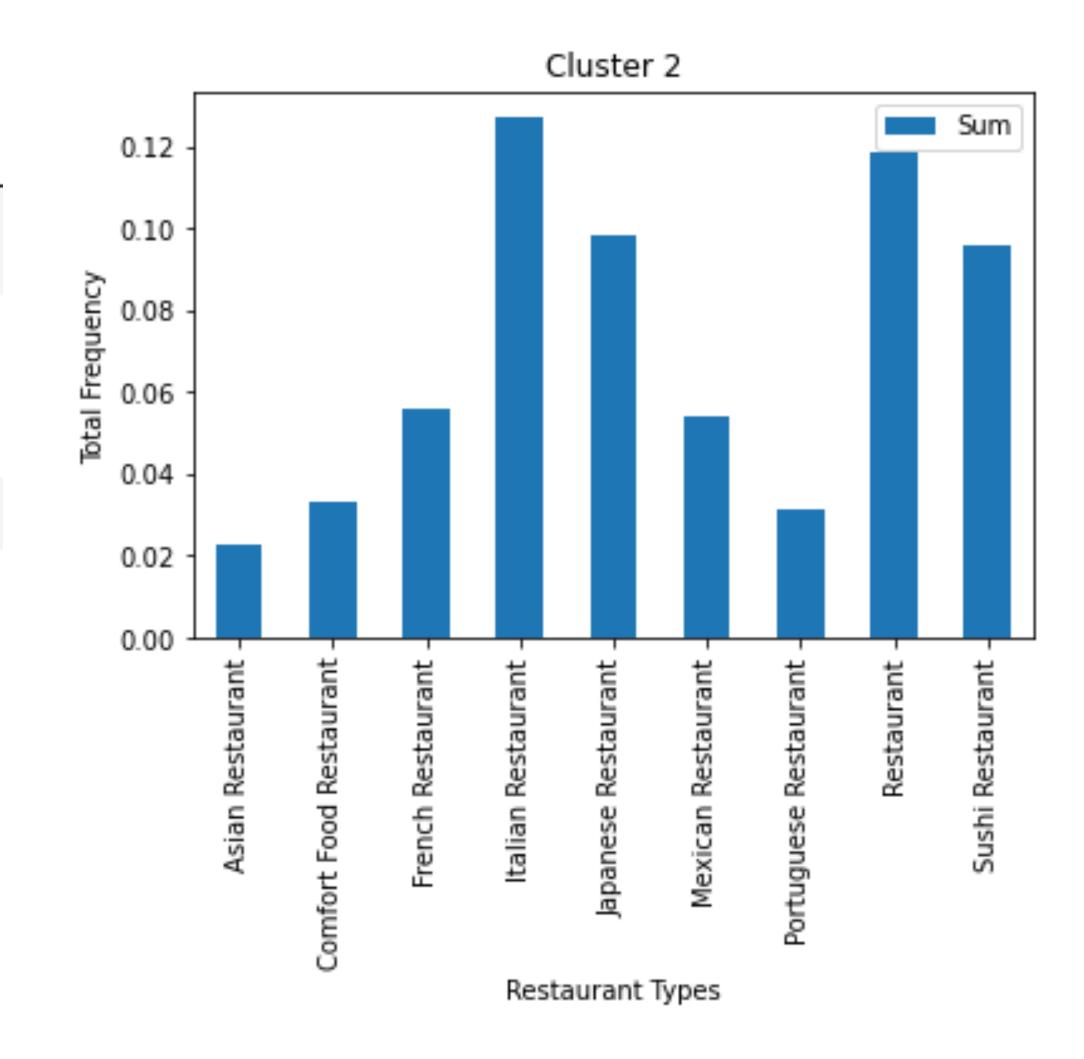
Neighborhood

Regent Park, Harbourfront

Queen's Park, Ontario Provincial Government

Christie

University of Toronto, Harbord



Analysis for cluster 2

- Italian restaurant
- Japanese restaurant
- Unclassified restaurant
- Sushi restaurant



4 Berczy Park

Harbourfront
East, Union
Station,
Toronto
Islands

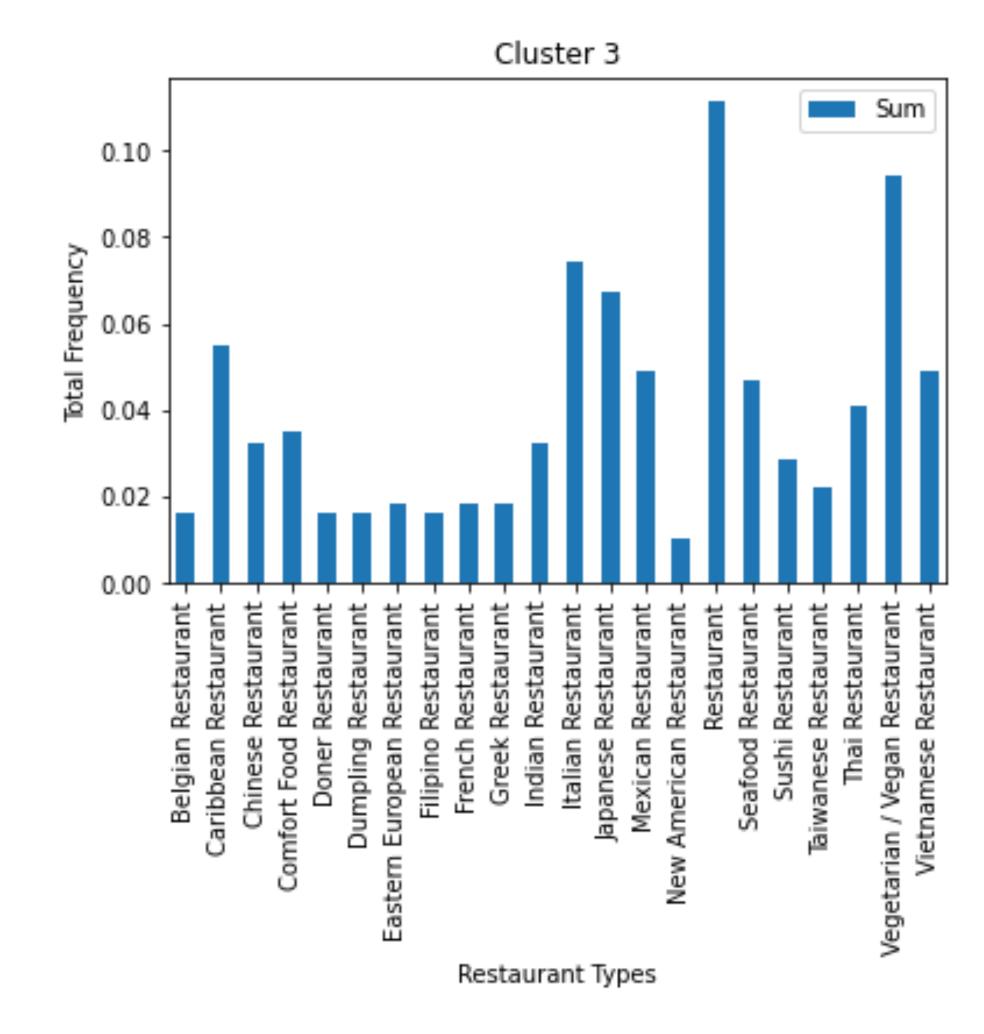
Kensington
Market,
Chinatown,
Grange Park

16

St. James

Cabbagetown

Town,



Analysis for cluster 3

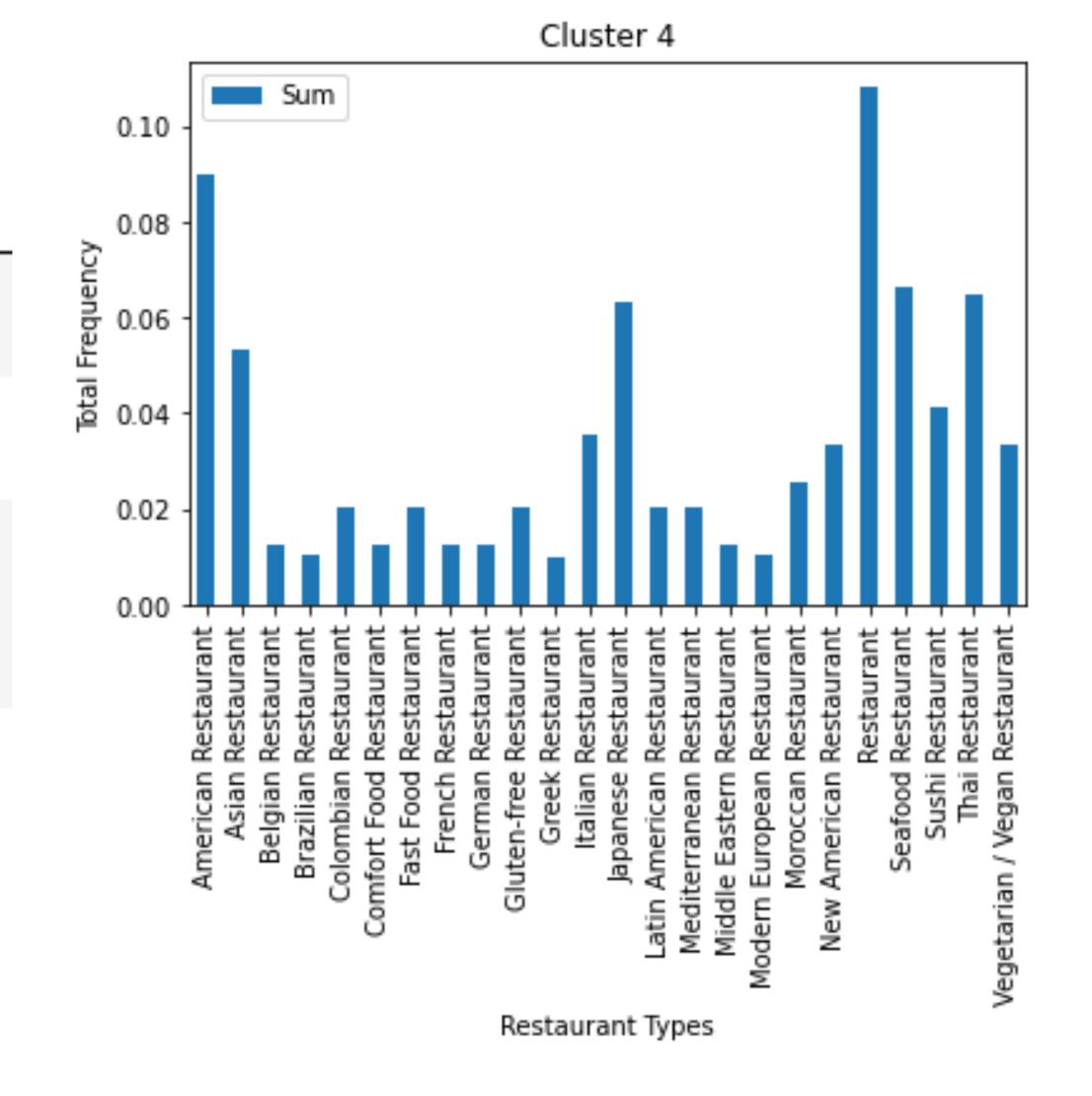
- Unclassified restaurant
- Italian restaurant
- Japanese restaurant
- Vegetarian/Vegan restaurant



St. James Town

Richmond, Adelaide, King

First Canadian Place, Underground city



Analysis for cluster 4

- Unclassified restaurant
- American restaurant
- Seafood restaurant
- Japanese restaurant

Results

Suggestions
Church and Wellesley
(cluster 1)

- Italian restaurant
- Japanese restaurant
- Seafood restaurant

Suggestions

St.James Town

(cluster 3)

- Italian restaurant
- Japanese restaurant
- Vegetarian/Vegan restaurant

Suggestions

First Canadian Place,
Underground city
(cluster 4)

- American restaurant
- Seafood restaurant
- Japanese restaurant