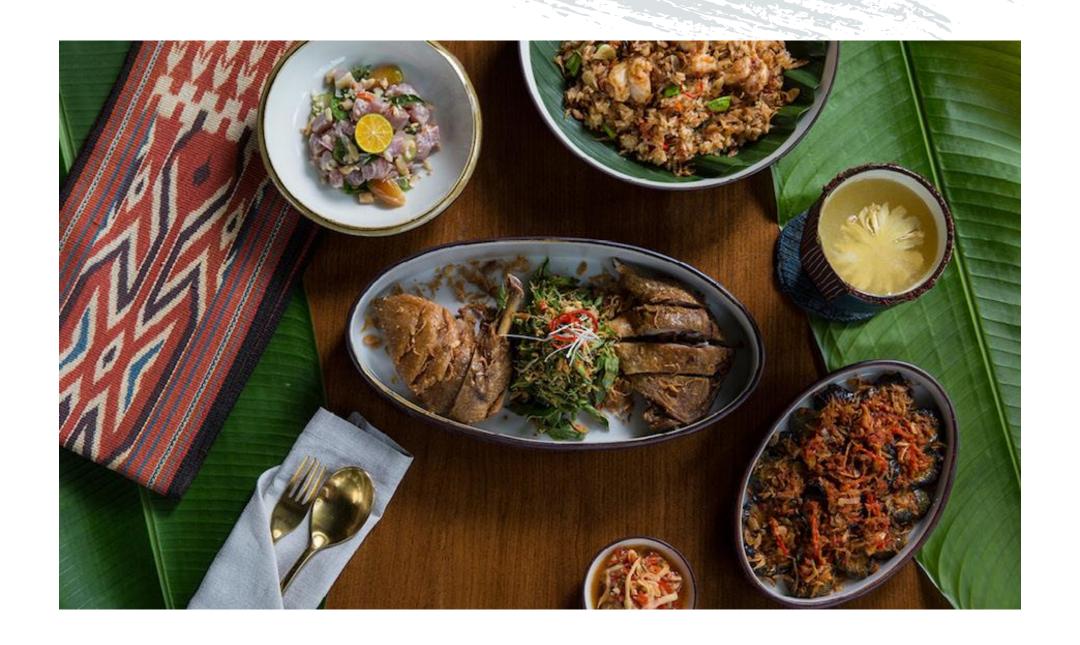


Indnonesian Restaurant in **Toronto**

Yosia Azarya June 24, 2020

Introduction



Indonesian cuisine is great food contains various spices, but Toronto has no Indonesian Restaurant at all. The main problem is to find the most suitable place to open Indonesian Restaurant in Toronto.

Data

List of Neighborhoods in Toronto (Scrapped from Wikipedia)

	Postal Code	Borough	Neighbourhood
0	M1B	Scarborough	Malvern, Rouge
1	M1C	Scarborough	Rouge Hill, Port Union, Highland Creek
2	M1E	Scarborough	Guildwood, Morningside, West Hill
3	M1G	Scarborough	Woburn
4	M1H	Scarborough	Cedarbrae

Coordinate data of Toronto (From Geospacial Data)

	Postal Code	Latitude	Longitude
0	M1B	43.806686	-79.194353
1	M1C	43.784535	-79.160497
2	M1E	43.763573	-79.188711
3	M1G	43.770992	-79.216917
4	M1H	43.773136	-79.239476

Venue data related to Neighborhood in Toronto (From Foursquare API)

	Neighborhood	Neighborhood Latitude	Neighborhood Longitude	Venue	Venue Latitude	Venue Longitude	Venue Category
0	The Beaches	43.676357	-79.293031	Glen Manor Ravine	43.676821	-79.293942	Trail
1	The Beaches	43.676357	-79.293031	The Big Carrot Natural Food Market	43.678879	-79.297734	Health Food Store
2	The Beaches	43.676357	-79.293031	Grover Pub and Grub	43.679181	-79.297215	Pub
3	The Beaches	43.676357	-79.293031	Upper Beaches	43.680563	-79.292869	Neighborhood
4	The Beaches	43.676357	-79.293031	Seaspray Restaurant	43.678888	-79.298167	Asian Restaurant

 Scrapping and Cleaning Toronto Neighborhood Data Combining Neighboorhood and Coordinate data of Toronto

Using Foursquare API to explore neighborhoods

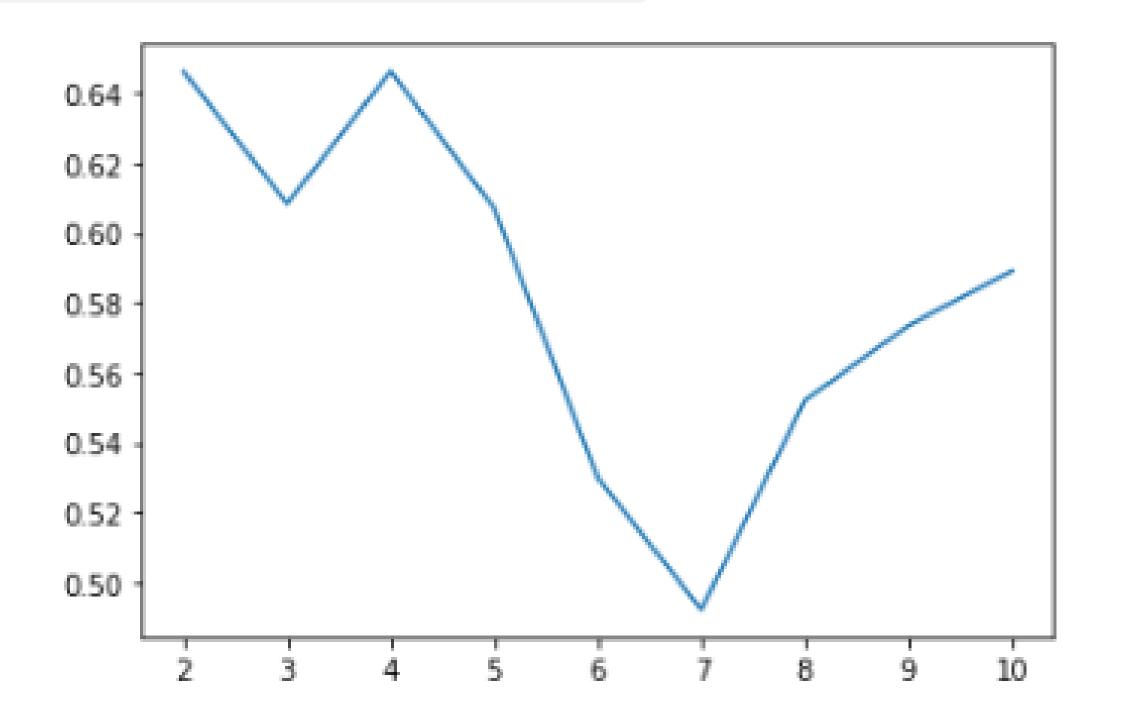
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1616	Business reply mail Processing Centre, South $\ensuremath{\text{C}}$	43.662744	-79.321558	TTC Russell Division	43.664908	-79.322560	Light Rail Station
1617	Business reply mail Processing Centre, South $\ensuremath{\text{C}}$	43.662744	-79.321558	Jonathan Ashbridge Park	43.664702	-79.319898	Park
1618	Business reply mail Processing Centre, South C	43.662744	-79.321558	The Ten Spot	43.664815	-79.324213	Spa
1619	Business reply mail Processing Centre, South C	43.662744	-79.321558	Olliffe On Queen	43.664503	-79.324768	Butcher
1620	Business reply mail Processing Centre, South C	43.662744	-79.321558	ONE Academy	43.662253	-79.326911	Gym / Fitness Center

• Filter the Neighborhood without restaurant data

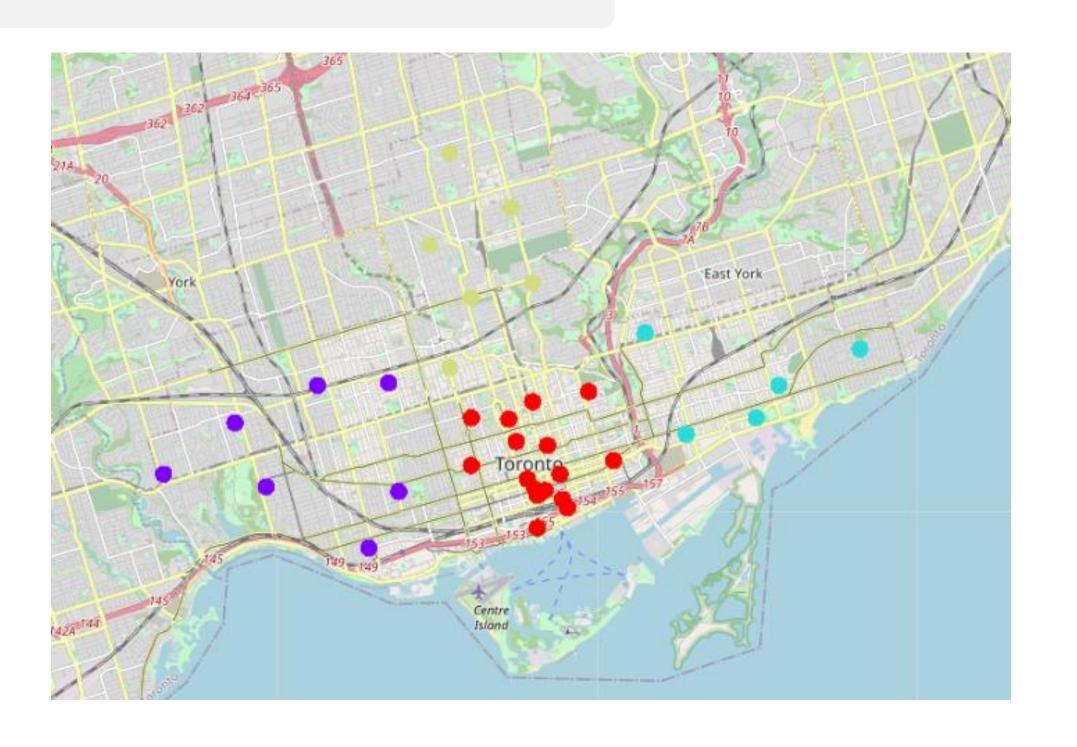
] to_filtering = to_filtering.drop(to_filtering.index[buangindex])
to_filtering.shape

(34, 2)

• Simulation using Silhouette Score



• Kmeans Clustering and Visualization



Conclusion

The conclusion is, the best location to open Indonesian Restaurant is in cluster 0 (Red Point) around Richmond Adelaide, Commerce Court, Berczy Park, and other location located in cluster 0 because cluster 0 has the most dense location with restaurant with 1181 restaurant located in the area. Even though Indonesian Restaurant would be new in Toronto, but it is worth to try, because Indonesian cuisine has a great taste and authentic.