

RESTAURANT CLUSTERING

IBM CAPSTONE PROJECT.

METHODOLOGY

- Web Scrapping for Getting the data from internet and separating the relevant data which is needed for the project
- Foursquare API for finding coordinates
- Use K-Means clustering algorithm for generating clusters.

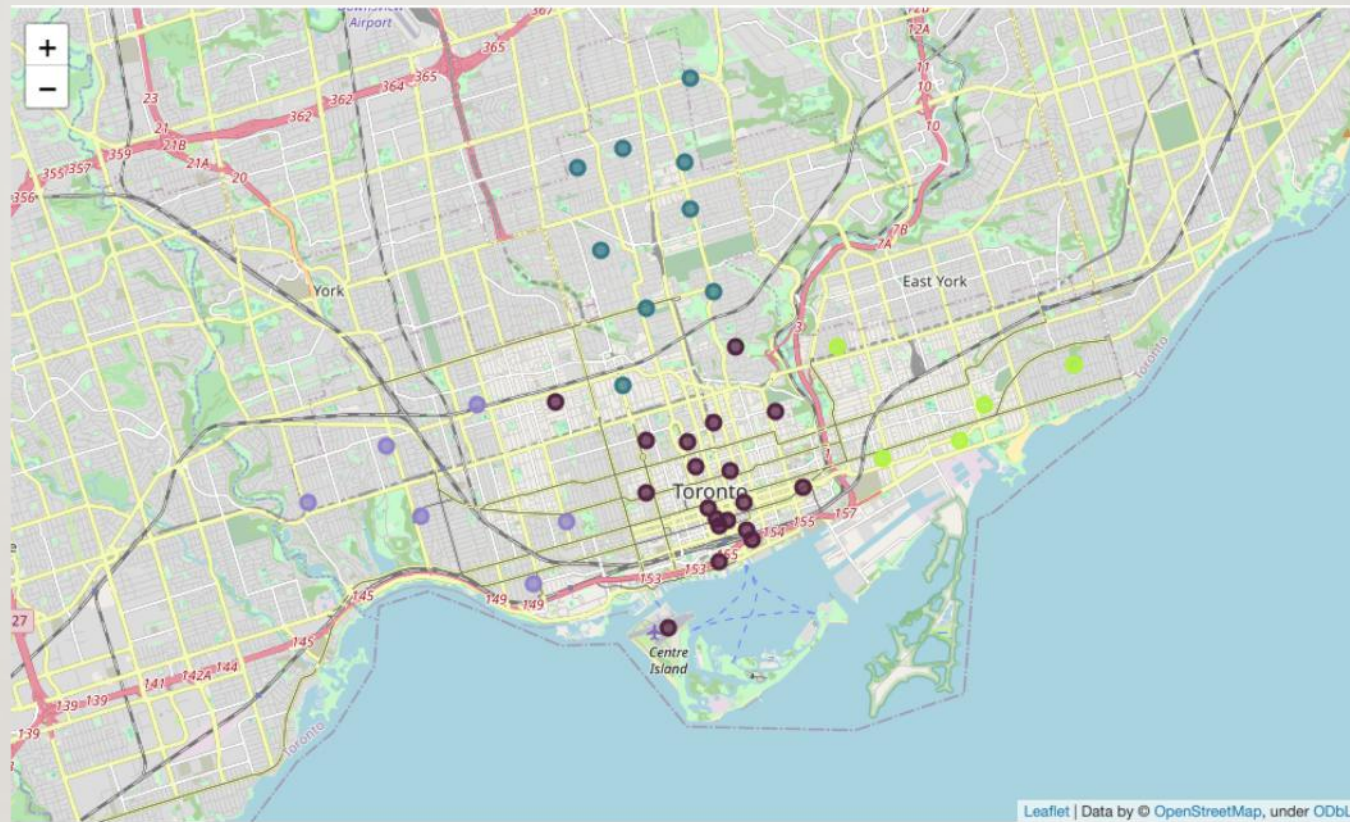
DATASETS

	Neighborhood	Indian Restaurant	Cluster Labels	Neighborhood Latitude	Neighborhood Longitude	Venue	Venue Latitude	Venue Longitude	Venue Category
0	Berczy Park	0.018182	1	43.644771	-79.373306	LCBO	43.642944	-79.372440	Liquor Store
0	Berczy Park	0.018182	1	43.644771	-79.373306	The Keg Steakhouse + Bar - Esplanade	43.646712	-79.374768	Restaurant
0	Berczy Park	0.018182	1	43.644771	-79.373306	Fresh On Front	43.647815	-79.374453	Vegetarian / Vegan Restaurant
0	Berczy Park	0.018182	1	43.644771	-79.373306	Meridian Hall	43.646292	-79.376022	Concert Hall
0	Berczy Park	0.018182	1	43.644771	-79.373306	Starbucks	43.644285	-79.369771	Coffee Shop

	Neighborhood	Indian Restaurant	Cluster Labels	Neighborhood Latitude	Neighborhood Longitude	Venue	Venue Latitude	Venue Longitude	Venue Category
34	The Annex / North Midtown / Yorkville	0.045455	2	43.67271	-79.405678	Roti Cuisine of India	43.674618	-79.408249	Indian Restaurant

	Neighborhood	Indian Restaurant	Cluster Labels	Neighborhood Latitude	Neighborhood Longitude	Venue	Venue Latitude	Venue Longitude	Venue Category
17	Kensington Market / Chinatown / Grange Park	0.0	0	43.653206	-79.400049	Dark Horse Espresso Bar	43.650564	-79.397018	Coffee Shop
24	Regent Park / Harbourfront	0.0	0	43.654260	-79.360636	Distillery Sunday Market	43.650075	-79.361832	Farmers Market
24	Regent Park / Harbourfront	0.0	0	43.654260	-79.360636	Dominion Pub and Kitchen	43.656919	-79.358967	Pub
24	Regent Park / Harbourfront	0.0	0	43.654260	-79.360636	The Distillery Historic District	43.650244	-79.359323	Historic Site
24	Regent Park / Harbourfront	0.0	0	43.654260	-79.360636	Figs Breakfast & Lunch	43.655675	-79.364503	Breakfast Spot

RESULTS AND CONCLUSION



THANK YOU!

