Data

In order to identify the location best suited to start the Indian restaurant, we need to collect the required data that we will need in our analysis.

1. All neighbourhoods in the city of Toronto. This information is available in Wikipedia link https://en.wikipedia.org/wiki/List_of_postal_codes_of_Canada:_M.

2. Demographics information of Toronto neighbourhoods to understand the population of Indian and Sri Lankan (interested in Indian food) living in each neighbourhood. This information is available as csv file in Census 2016 Neighbourhood of Toronto. https://www.toronto.ca/ext/open_data/catalog/data_set_files/2016_neighbourhood_profiles.csv. To keep it simple only immigration information was retained and all other data were removed from the file.

	Category	Topic	Data Source	Characteristic	City of Toronto	Agincourt North	Agincourt South	Alderwood	Annex	Banbury-Don Mills	...	Willowdale West
0	Immigration and citizenship	Immigrants by selected place of birth	Census Profile 98-316-X2016001	Total - Selected places of birth for the immig...	1266005	19990	19990	3965	8275	13205	...	9395
1	Immigration and citizenship	Immigrants by selected place of birth	Census Profile 98-316-X2016001	Americas	212010	1635	1415	450	1630	1335	...	530
2	Immigration and citizenship	Immigrants by selected place of birth	Census Profile 98-316-X2016001	Brazil	7025	10	15	30	60	40	...	55
3	Immigration and citizenship	Immigrants by selected place of birth	Census Profile 98-316-X2016001	Colombia	8715	15	10	15	40	100	...	50
4	Immigration and citizenship	Immigrants by selected place of birth	Census Profile 98-316-X2016001	El Salvador	6955	10	30	20	10	10	...	0

3. Postal Code information for each neighbourhood. This information is available through Coursera assignments through the link http://cocl.us/Geospatial_data

Postal Code	Latitude	Longitude
M1B	43.8066863	-79.194353
M1C	43.7845351	-79.160497
M1E	43.7635726	-79.188712
M1G	43.7709921	-79.216917
M1H	43.773136	-79.239476
M1J	43.7447342	-79.239476
M1K	43.7279292	-79.262029
M1L	43.7111117	-79.284577
M1M	43.716316	-79.239476

4. Nearby venues in each neighbourhood. This information is available through Foursquare APIs. https://foursquare.com/developers/apps. By making use of Foursquare API, we explored nearby venues to each of the neighbourhood and extract that data.

Neighborhood	Neighborhood Latitude	Neighborhood Longitude	Venue	Venue Latitude	Venue Longitude	Venue Category
Rouge, Malvern	43.806686	-79.194353	Fratelli Village Pizzeria	43.784008	-79.169787	Italian Restaurant
Rouge, Malvern	43.806686	-79.194353	Mona's Roti	43.791613	-79.251015	Caribbean Restaurant
Rouge, Malvern	43.806686	-79.194353	Caribbean Wave	43.798558	-79.195777	Caribbean Restaurant
Rouge, Malvern	43.806686	-79.194353	Babu Catering & Take Out	43.791721	-79.251132	Sri Lankan Restaurant
Rouge, Malvern	43.806686	-79.194353	Lucky Lin's Restaurant	43.813613	-79.237943	Chinese Restaurant
Rouge, Malvern	43.806686	-79.194353	Silver Spoon Pak-Indian Restaurant	43.791824	-79.251340	Indian Restaurant
Rouge, Malvern	43.806686	-79.194353	Harvey's	43.800106	-79.198258	Fast Food Restaurant
Rouge, Malvern	43.806686	-79.194353	Wendy's	43.802008	-79.198080	Fast Food Restaurant
Rouge, Malvern	43.806686	-79.194353	Hakka Legend	43.776309	-79.234939	Chinese Restaurant
Rouge, Malvern	43.806686	-79.194353	La Sani Grill	43.776214	-79.234848	Indian Restaurant