

## Data description

Because the investors are going to open an American flavor of restaurant in a neighborhood in Toronto in Canada. So we use the neighborhood data in the city of Toronto in Canada. To get the Toronto neighborhood data, we will scrape the Wikipedia page which has all the information we need to explore the neighborhoods in Toronto. And we wrangle the data, clean it, and then read it into a pandas dataframe. The dataframe includes the information of Borough, Neighbourhood, Latitude, and Longitude in Toronto in Canada. The following is the first five rows in the dataframe.

	Borough	Neighbourhood	Latitude	Longitude
0	Scarborough	Rouge,Malvern	43.806686	-79.194353
1	Scarborough	Highland Creek,Rouge Hill,Port Union	43.784535	-79.160497
2	Scarborough	Guildwood]],Morningside,West Hill	43.763573	-79.188711
3	Scarborough	Woburn	43.770992	-79.216917
4	Scarborough	Cedarbrae	43.773136	-79.239476

After getting the dataframe, we will use Foursquare location data to get 100 venues of each neighborhood. Foursquare location data including all the information of each venue we need to explore the venues in each neighborhood. Then we extract category information of each venue for each neighborhood. We gather all the neighborhoods and compare them through their category information to get the most proper neighborhood. Each venue includes the following information:

'id', 'name', 'contact', 'location', 'canonicalUrl', 'categories', 'verified', 'stats', 'url', 'price', 'hasMenu', 'likes', 'dislike', 'ok', 'rating', 'ratingColor', 'ratingSignals', 'delivery', 'menu', 'allowMenuUrlEdit', 'beenHere', 'specials', 'photos', 'reasons', 'hereNow', 'createdAt', 'tips', 'shortUrl', 'timeZone', 'listed', 'hours', 'popular', 'pageUpdates', 'inbox', 'attributes', 'bestPhoto', 'colors'