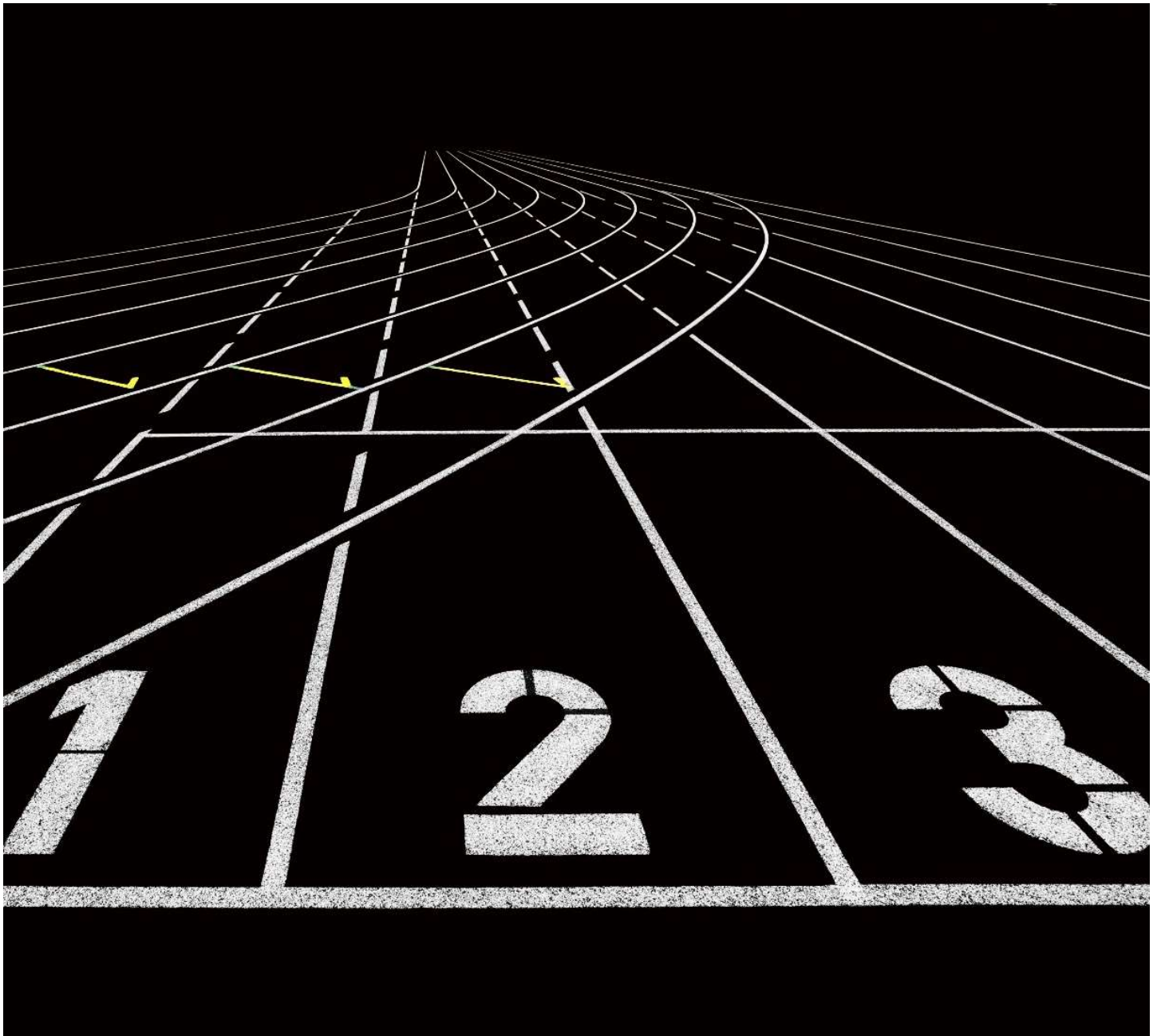


THE BATTLE OF NEIGHBORHOODS

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INTRODUCTION

This report is the part of capstone project of IBM Data Science Professional Certificate. We intend to use Fousquare location data solve to the problem using the knowlwdge we gained in this certification.

We intend to solve the business problem using data science.

BUSINESS PROBLEM

City of Toronto is the largest city in Canada. It has the vivid culture and food habits, as more than half of the population is not the original residents of Toronto.

As different people from different part of world will have different tastes for food, so we intend to use our data science learning to find out the best type of restaurant at particular neighborhood which would be best suited for business.

TARGET AUDIANCE

- Business personnel who want to invest or open a restaurant.
- Tourists who want to eat Italian food.

DATA DESCRIPTION

For this project we need the following data:

- 1. Toronto City data that contains Borough, Neighborhoods along with their latitudes and longitudes.**
 - Source: https://en.wikipedia.org/wiki/List_of_postal_codes_of_Canada:_M
 - Using Beautiful Soup package we scrap the data in tabular form.
- 2. Geographical Location data using Geocoder Package.**
 - Source: https://cocl.us/Geospatial_data
 - The second source of data provided us with the Geographical coordinates of the neighborhoods with the respective Postal Codes.
- 3. Venue Data using Foursquare API**
 - Source: <https://foursquare.com/developers/apps>
 - From Foursquare API we can get the name, category, latitude, longitude for each venue.

```
In [22]: ► toronto_venues.tail()
```

Out[22]:

	Neighborhood	Neighborhood Latitude	Neighborhood Longitude	Venue	Venue Latitude	Venue Longitude	Venue Category
2144	Mimico NW, The Queensway West, South of Bloor,...	43.628841	-79.520999	Jim & Maria's No Frills	43.631152	-79.518617	Grocery Store
2145	Mimico NW, The Queensway West, South of Bloor,...	43.628841	-79.520999	Koala Tan Tanning Salon & Sunless Spa	43.631370	-79.519006	Tanning Salon
2146	Mimico NW, The Queensway West, South of Bloor,...	43.628841	-79.520999	Once Upon A Child	43.631075	-79.518290	Kids Store
2147	Mimico NW, The Queensway West, South of Bloor,...	43.628841	-79.520999	Kingsway Boxing Club	43.627254	-79.526684	Gym
2148	Mimico NW, The Queensway West, South of Bloor,...	43.628841	-79.520999	Burrito Boyz	43.626657	-79.526349	Burrito Place