**Battle of the Neighborhoods**

Finding the best Neighborhood in Toronto using Data Science

This project aims to utilize all Data Science Concepts learned in the IBM Data Science Professional Course. We define a Business Problem, the data that will be utilized and using that data, we are able to analyze it using Machine Learning tools. In this project, we will go through all the processes in a step by step manner from problem designing, data preparation to final analysis and finally will provide a conclusion that can be leveraged by the business stakeholders to make their decisions.

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**1. Identifying the Business Problem**

Toronto is one of the most densely populated areas in Canada. Being the land of opportunity, it brings in a variety of people from different ethnic backgrounds to the core city of Canada, Toronto. Being the largest city in Canada with an estimated population of over 6 million, there is no doubt about the diversity of the population. Multiculturalism is seen through the various neighborhoods including; Chinatown, Corso Italia, Little India, Kensington Market, Little Italy, Koreatown and many more. Downtown Toronto being the hub of interactions between ethnicities brings many opportunities for entrepreneurs to start or grow their business. It is a place where people can try the best of each culture, either while they work or just passing through. Toronto is well known for its great food.

The objective of this project is to use Foursquare location data and regional clustering of venue information to determine what might be the ‘best’ neighborhood in Toronto to open a restaurant. Pizza and Pasta are one of the most bought dishes in Toronto originating from Italy. Toronto is the fourth largest home to Italians with a population of over 500k, there are numerous opportunities to open a new Italian restaurant. Through this project, we will find the most suitable location for an entrepreneur to open a new Italian restaurant in Toronto, Canada.

2. Target Audience

This project is aimed towards Entrepreneurs or Business owners who want to open a new Italian Restaurant or grow their current business. The analysis will provide vital information that can be used by the target audience