

Capstone Project - The Battle of Neighborhoods (Week 1)

Introduction:

In this project, I will use the data location Foursquare API and some of the machine learning algorithms and data science to solve a business problem. The main objective of the project is to use these available resources for starting a new Restaurants and/or food market business in another city. In the first step, will describe the problem and then data preparation for the analysis then the results and conclusion.

1. A description of the problem and a discussion of the background

Toronto, city, capital of the province of Ontario, southeastern Canada. It is the most populous city in Canada, a multicultural city, and the country's financial and commercial center. Also, Toronto is an international center of business, finance, arts, and culture, and is recognized as one of the most multicultural and cosmopolitan cities in the world. So, it considered one of the most preferred destinations for the visitors and tourists to come from inside and outside of Canada and also the immigrant and newcomers from around the globe choose this city as their new home, especially the people from the middle east and/or Arabic people that come from all countries of the Arab world. There is a lot of the population from the middle east/Arabic, so it is a good place to start a new restaurant and/or food market.

Therefore, the main idea is to make a study and analysis and to decide whether it's good to make this business or not.

That is, to use data science methods and the data collected from the Toronto city such as the population distribution and tourist places that attract the visitors and how it's close in location to the city center or downtown and to decide where to open it.