



The battle of Neighborhoods

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Overview

This report has been prepared as a part of the **IBM APPLIED DATA SCIENCE
FINAL SUBMISSION CAPSTONE PROJECT**

Background

Toronto is divided in areas including: East York, Etobicoke, Forest Hill, Mimico, North York, Parkdale, Scarborough, Swansea, Weston and York. Throughout the city there exist hundreds of small neighbourhoods and some larger neighbourhoods covering a few square kilometres.

Having such vast population and big geographical area, there also exists big competition between businesses. Therefore it became very challenging for stake holder or new business to decide which area they should start their business to get higher revenue with lowest possible competition.

Introduction

In this project we will explore Scarborough's data in the city of Toronto.

Base on the data we will find which location is best suited in the neighborhood to open a new location and expand the business.

Business Problem

- GRADE A GRILL AND CAFE is a famous eatery/restaurant in North York, Toronto. The owners wants to expand their business, opening 2 new locations in Scarborough. Therefore, the Goal is to find the central points of the 3 highest density eatery areas and take the best decision.

Methodology

To solve the problem I am going to use "K-Means Clustering Algorithm ". K-means clustering is a type of unsupervised learning, which is used when you have

unlabeled data (i.e., data without defined categories or groups). The goal of this algorithm is to find groups in the data, with the numberImplement

Data description

- We will be using 2 data sources:

Link: https://en.wikipedia.org/wiki/List_of_postal_codes_of_Canada:_M"

Using foursquare data to get information about eateries/restaurants in Toronto, specifically from Scarborough.

Non-Requirements

- @mentions in comments
- Nested comments