

The Best Location for Vegetarian Restaurant in Toronto

DATA SCIENCE CAPSTONE

02.03.2020

Background & Problem

- According to the Dalhousie study, Canadians are going meatless
- New Vegetarian Restaurants are needed to fulfill demand
- The purpose of this study was to find the best neighborhood in Toronto to open a new Vegetarian Restaurant
- The Dalhousie study provided a typical Vegetarian Profile

Datasets Used in This Project

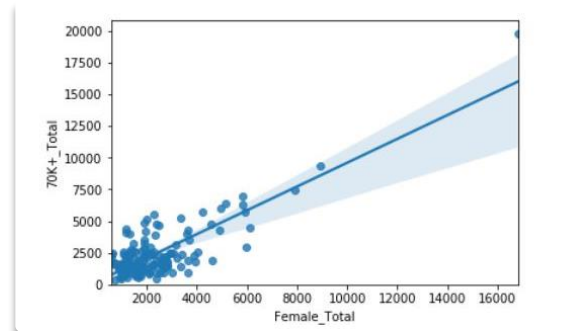
► Neighbourhood – Dataset

- The City of Toronto has divided Toronto in 140 social planning neighbourhoods and they can be found in the [Neighbourhoods](#) dataset.

► Neighborhood Profiles – Dataset

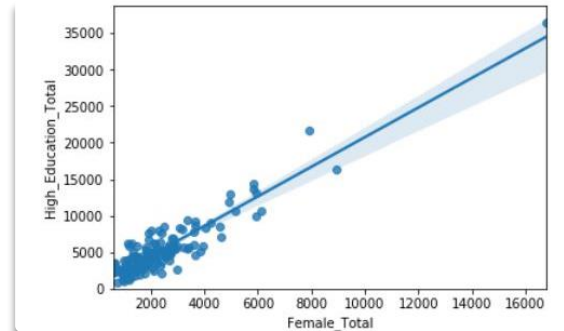
- City of Toronto has compiled the demographic, social and economic characteristics of the people and households in each City of Toronto neighbourhood of those 140 neighbourhoods and they can be found at the [Neighbourhood Profiles](#) dataset.

Exploratory Data Analysis Relationships



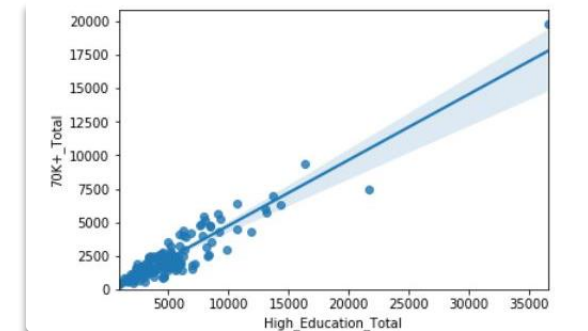
Female-Income

Positive relationship with correlation of 0.81.



Female-Education

Positive relationship with correlation of 0.93.

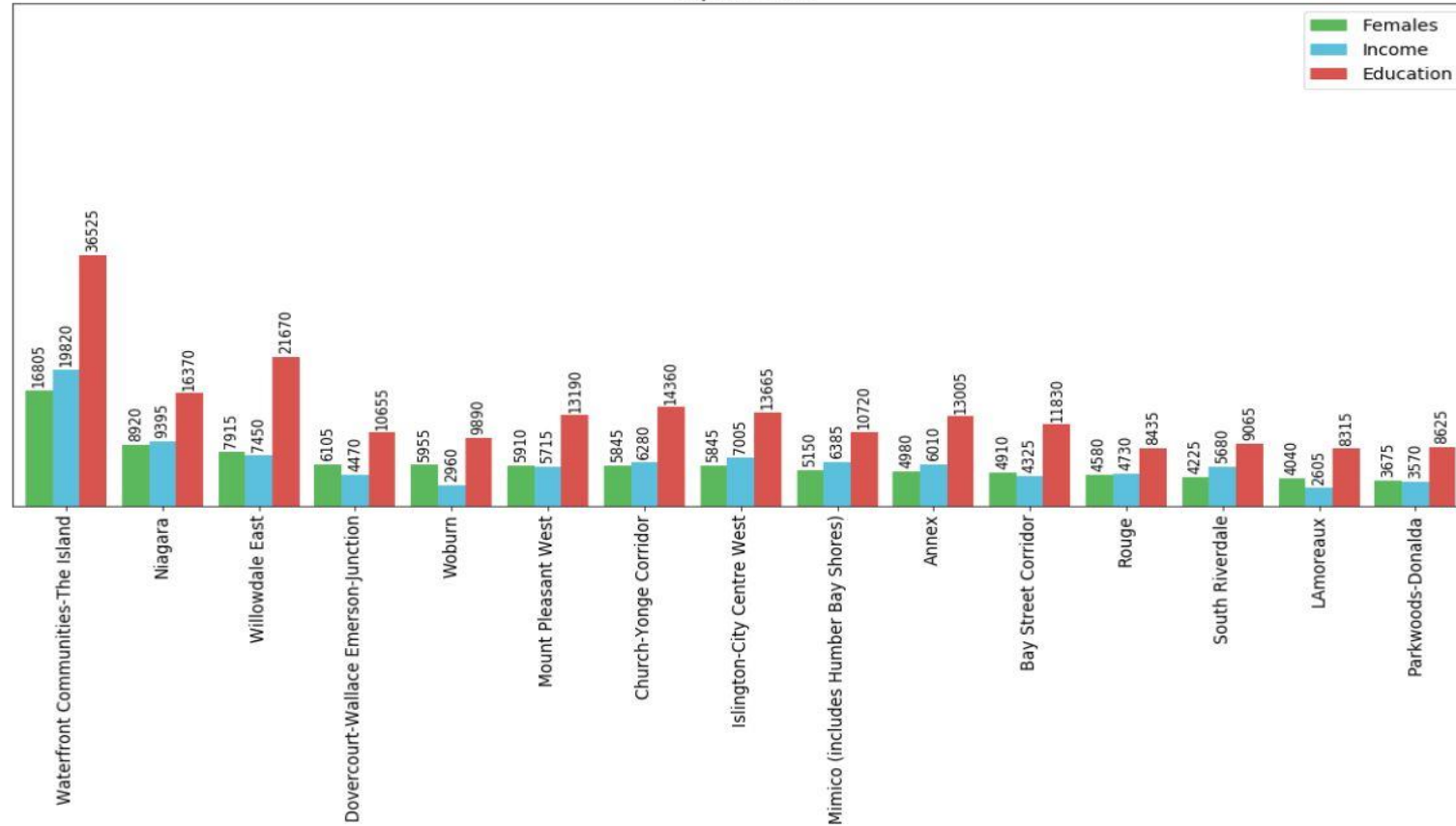


Education-Income

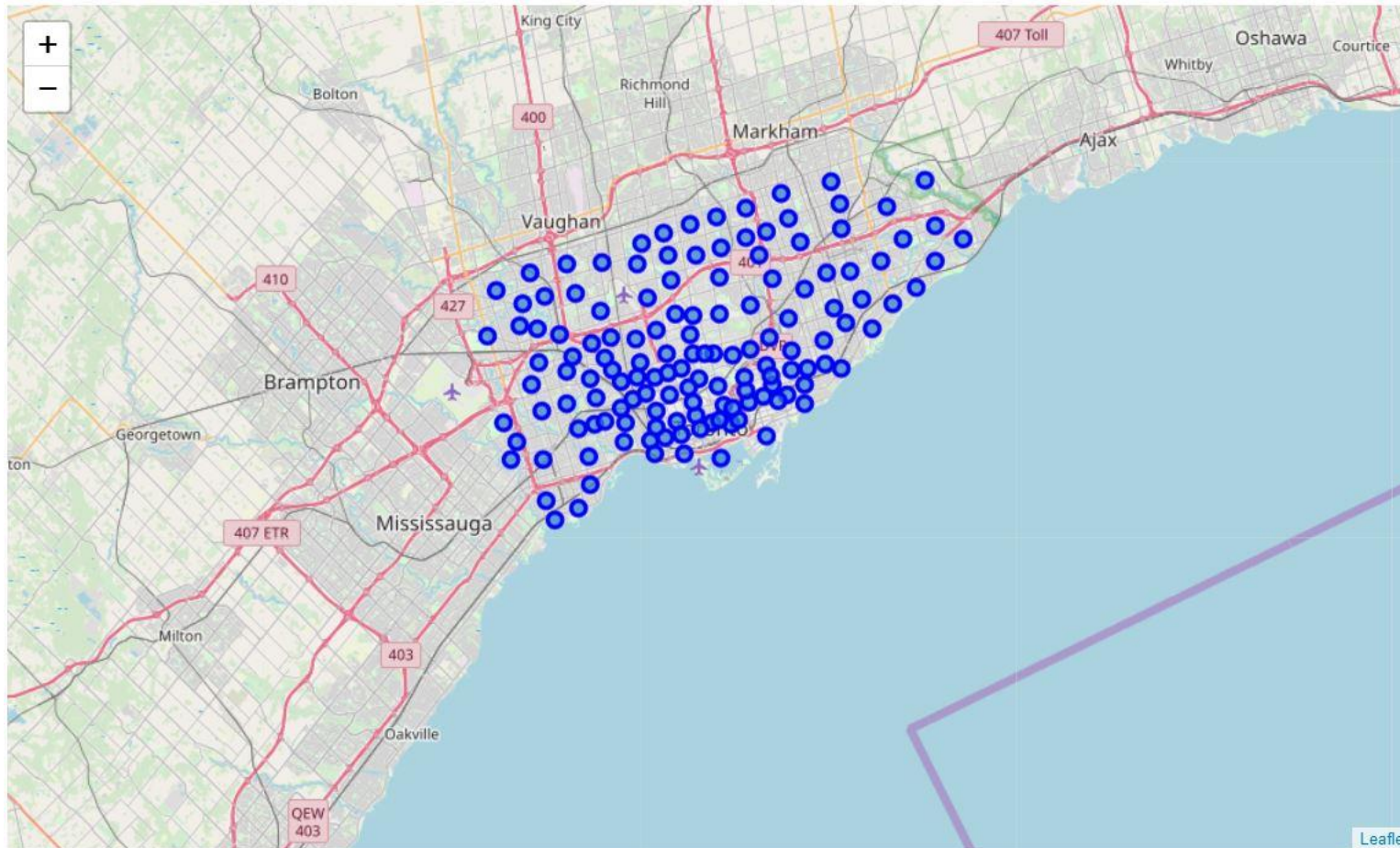
Positive relationship with correlation of 0.93.

The Top 15 Potential Neighborhoods

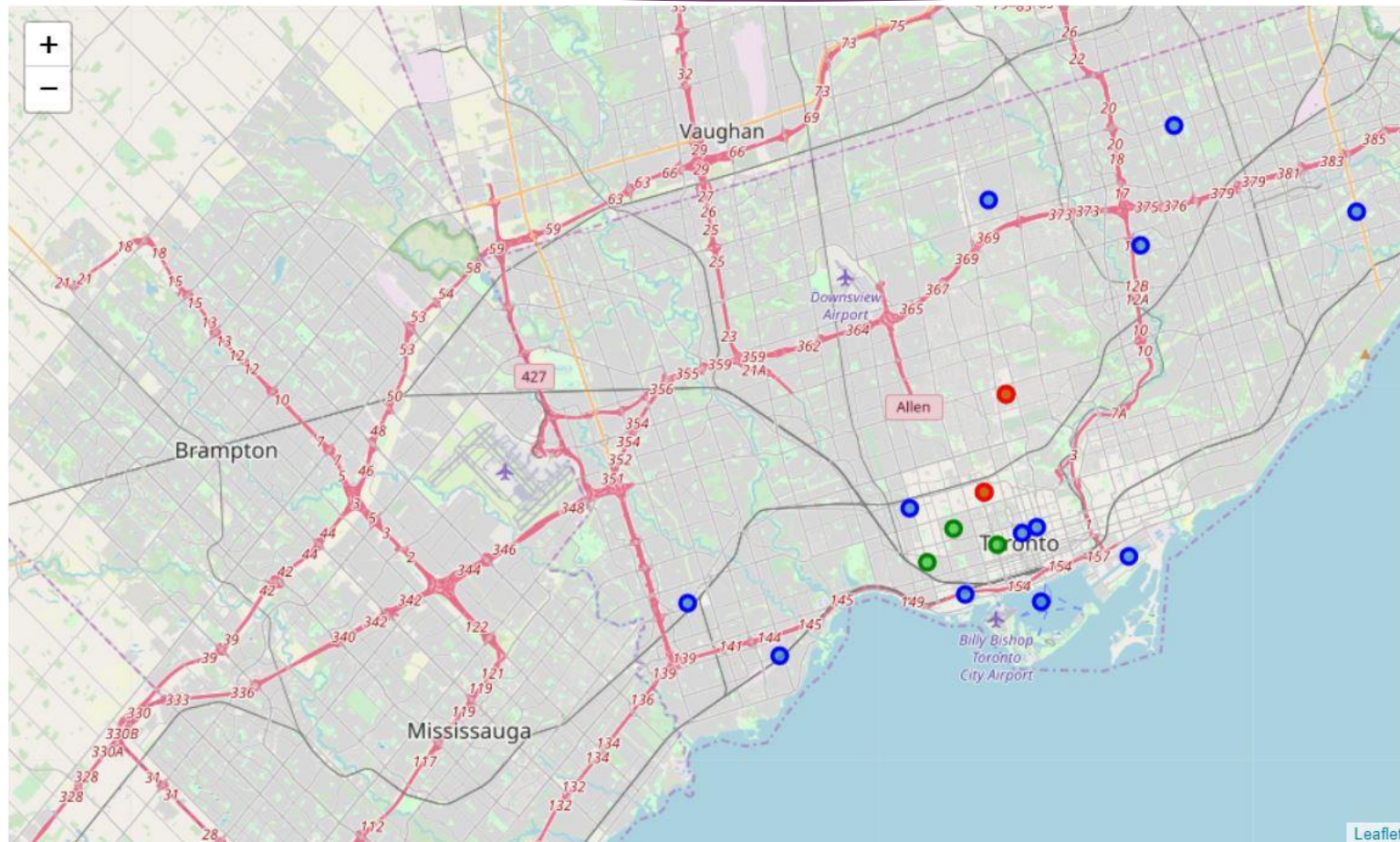
Top 15 List



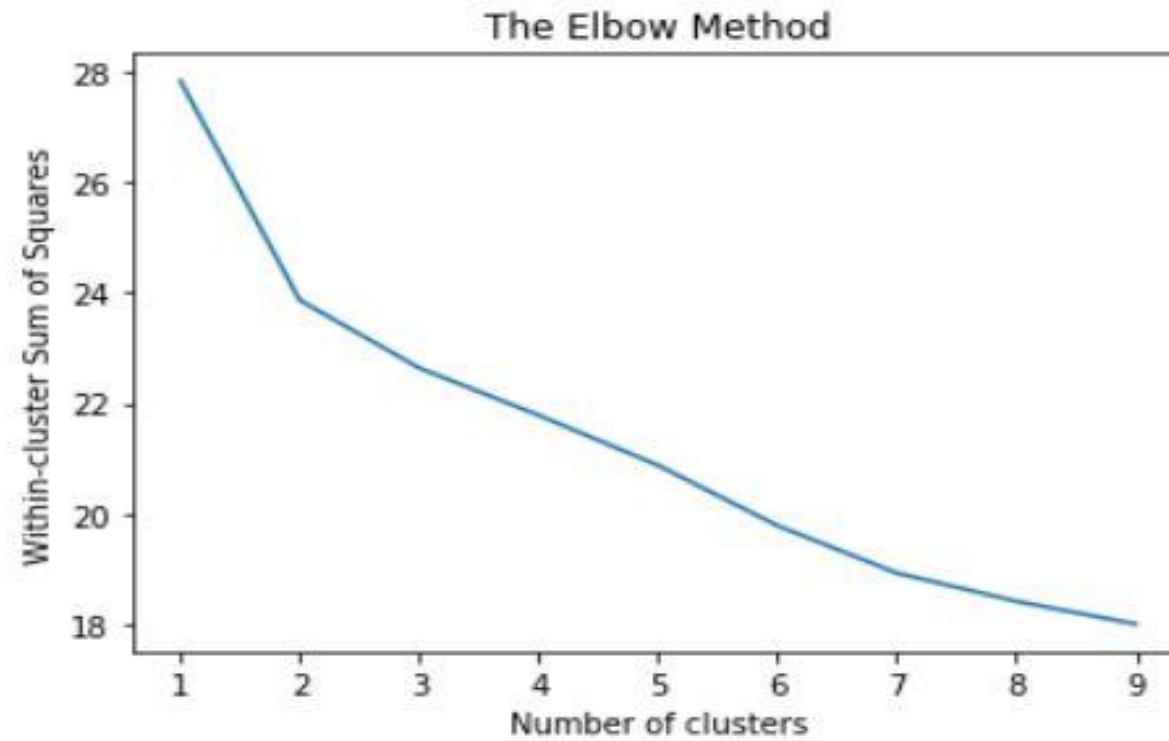
Toronto's 140 Neighborhoods Mapped



Matched Potential Neighborhoods and Vegetarian Restaurants



The Elbow Method for Finding the Best k



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