



Top Neighborhoods in Toronto, Canada for Vegetarians

ANTHONY SPLENDOR

Introduction

Hi, my name is Anthony and I have been a vegetarian for over 4 years.

While society has made a lot of advancements in being more inclusive for those with vegetarian diets, there are still some places that are better than others. After I graduated college, one of my best friends moved to Toronto and she is also a vegetarian.

Before her move we spoke about vegetarian options in Toronto and would have benefited from knowing the top neighborhoods with vegetarian-friendly dining.

Problem Statement

Find the top 10 neighborhoods in Toronto, Canada with vegetarian-friendly dining options.

People with vegetarian diets can often find themselves in a bad situation if they do not plan out their moves because there is great variance between cities in terms of vegetarian-friendly dining options..

Stakeholders

The number of those electing to adopt a vegetarian diet is growing annually.
The people who are stakeholders in this problem are:

- Those with a vegetarian diet currently living in Toronto.
- Those with a vegetarian diet planning on moving to Toronto.
- Businesses and restaurants who want to target a vegetarian-based audience in Toronto.
- The City of Toronto to provide resources to those with a vegetarian diet.

Data

We need two main sources of data in order to perform our analysis:

1. List of neighborhoods in Toronto,
2. List of vegetarian-friendly restaurants in Toronto.

Sources:

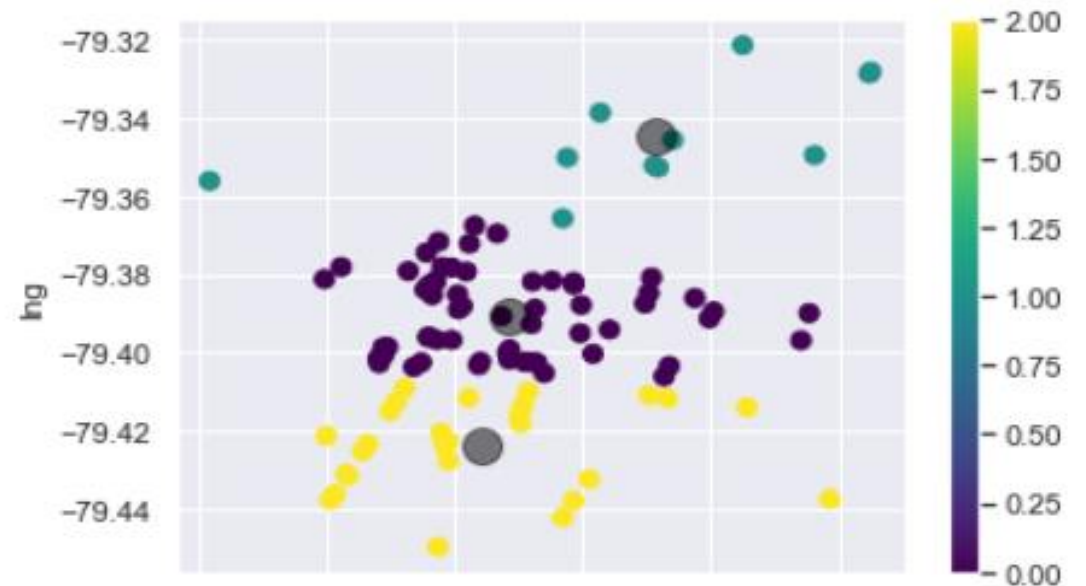
- 1) https://en.wikipedia.org/wiki/List_of_postal_codes_of_Canada:_M
- 2) <https://foursquare.com/city-guide>

Methodology

Process of deducing the answer:

- 1.Exploratory data analysis,
- 2.Elbow method,
- 3.K-Means Clustering

Take vegetarian-friendly restaurants, cluster them into regions and find the optimal pair of coordinates.

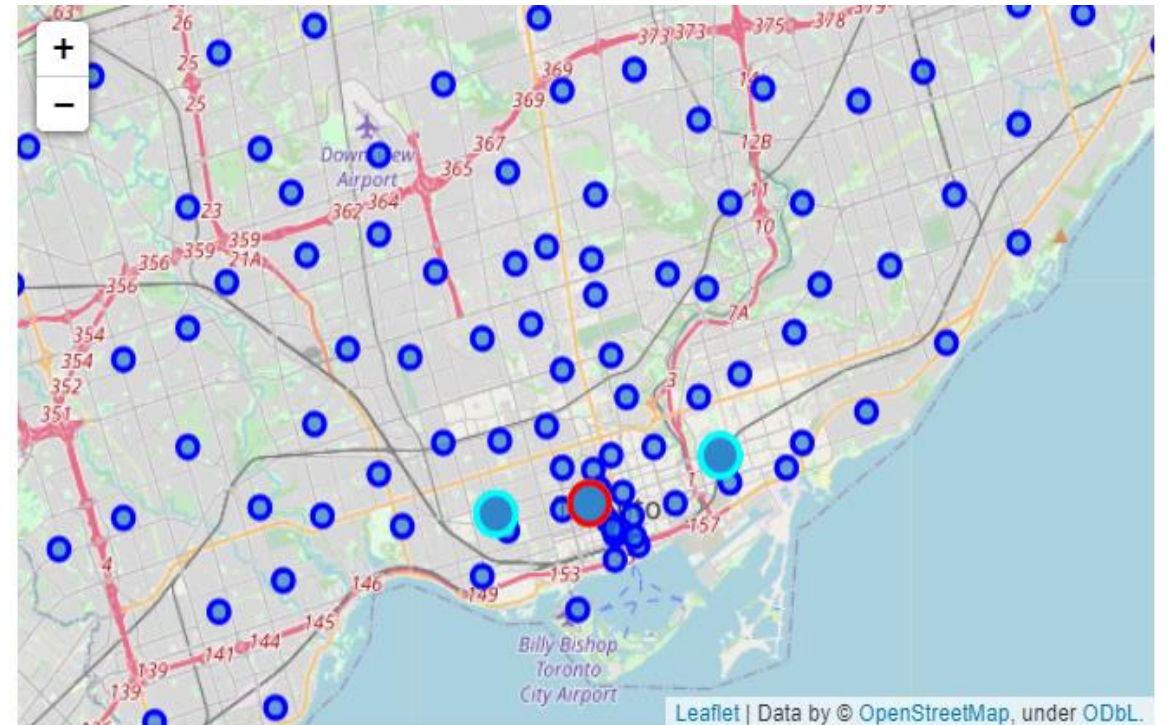


Results

Blue dots: Neighborhoods in Toronto

Cyan dots: Suboptimal clusters

Red dot: Cluster with the greatest number of vegetarian friendly restaurants



Conclusion

Top 10 neighborhoods in Toronto,
Canada for vegetarians

1. Central Bay Street
2. Richmond, Adelaide, King
3. Ontario Provincial Government
4. Kensington Market, Chinatown, Grange Park
5. First Canadian Place, Underground city
6. Toronto Dominion Centre, Design Exchange
7. Garden District, Ryerson
8. Commerce Court, Victoria Hotel
9. University of Toronto, Harbord
10. Church and Wellesley