

Capstone Project to explore Toronto venues by Vegetarian/vegan category

Introduction

Toronto is the capital city of the Canadian province of Ontario. it is the most populous city in Canada . Toronto is the leading tourism destination in Canada. In 2018, Toronto welcomed over 27.5 million visitors. 9.5 million were overnight visitors; 18.1 million were day visitors. Total hotel nights sold reached 6.4 million. \$6.5 billion dollars in visitor spending.

Vegetarian and vegan dietary practices vary among countries. Differences include food standards, laws, and general cultural attitudes of vegetarian diets. Some surveys predict by 2025 25% of world population opt for vegetarian/vegan food. However, finding vegetarian/Vegan food option is one of the challenges for vegetarian/vegan tourist. So, we are exploring information of vegetarian/vegan restaurants in Toronto and explore business options in the city.

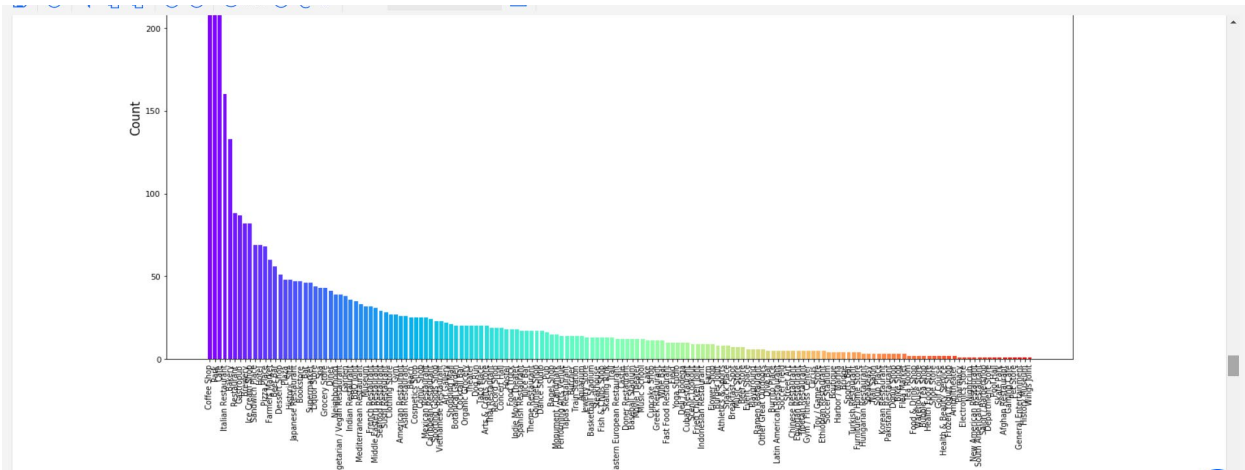
Data source and cleaning

Data Using Beautiful Soup Scraping List of Postal Codes of Given Wikipedia Page (Name and postal code). Regression method to learn and predict number of the Vegetarian /vegan restaurant in a neighborhood by providing the venues information of Toronto City. Venues information is discovered from Foursquare API.

Then we grouped category of restaurant per neighborhood and plotted graph by category to explore each category restaurant and then grouped to per vegetarian/vegan category to see predicted business option for vegetarian/vegan venue.

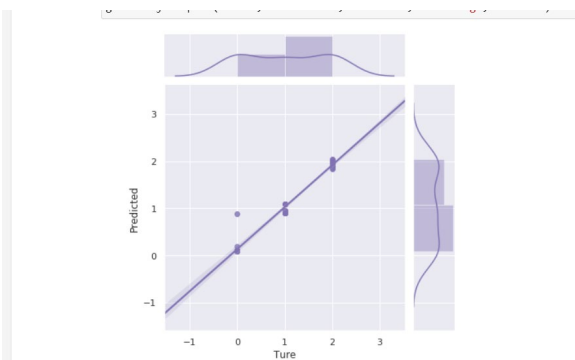
Result

As per graphical representation it is observed that Coffee shop are in highest number across the city and vegetarian/vegan restaurant is in top 30 of the list. However, with less than 50 in total number



Discussion

It is observed that in each neighborhood there are only 1-2 venues which are vegetarian/vegan. This represents great opportunity for new business of vegetarian/vegan restaurant or to include it in as one of the option in existing restaurant to improve business.



Conclusion

The purpose of this project was to explore the vegetarian/vegan places that a person visiting Toronto. The venues have been identified using Foursquare API and have been plotted on the

map. The map reveals that there are vegetarian/vegan option available in neighborhood and also there is very good opportunity for new business in this category.