

Explore the Restaurant availability in Toronto area for the relocation

1. Introduction

1.1 Background

Toronto is a major city in Canada and it is drivable distance from New York USA. New York being a metropolitan city has many options for the food to purchase when you are at work. Relatively the restaurants in New York are not very expensive and are affordable.

1.2 Problem

As part of the job change and relocating to Toronto from New York, Need to find out the restaurants options in Toronto. Also these restaurants need to have vegetarian menus.

1.3 Interest

Identifying the vegetarian restaurant options that are affordable and comparable to New York restaurants that offer vegetarian food.

2.Data

2.1 Data Source

Restaurants data pulled from Foursquare's API would be used to perform the analysis. To get a reasonable amount of data points, they would be pulled from the search and explore points. Both of these endpoints return data on venues that are within a specified radius of the central location provided.

The search API returns data on venues near a given location. The data returned can be tuned using the category parameter, and this parameter is used to narrow the results to only match restaurant venues categorized as vegetarian

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2.2 Data Cleaning

Most of the data that was provided by the search results was delivery information or redundant location data. The data provided by Foursquare's APIs included both the latitude and the longitude of every venue it returned. This was used for creating a map to visualize the density of the restaurant in Toronto.

3. Methodology

I have used python folium to visualize geographic details of Toronto and I created a map of Toronto with restaurant locations. Used Latitude and Longitude to get the visual.