Applied Data Science Capstone Project

Introduction (Week 4th Submission)

A Registered Yoga Teacher in Toronto wants to open her Yoga & Meditation Studio to teach authentic Indian Hatha & Ashtanga Yoga. She expects the mental health issues to escalate as a consequence of Covid-19 and wants to help people to take care of their mental & physical health.

Objective

Finding the right location for such a studio is paramount to its success. The objective of this capstone project is to find the most suitable location for an entrepreneur to open a new Yoga Studio.

Business Problem

Here is the business question I aim to solve with this project:

Where do I (an entrepreneur) open my Yoga Studio in Toronto after taking into consideration the number of similar studios operating in different parts of Toronto?

Target Audience

An entrepreneur who wants to find the ideal location to open yoga studios in Toronto, Canada

Data Requirements

To solve this problem, here are the data requirements:

1. List of neighborhoods in Toronto, Canada

2. Latitude and Longitude of these neighborhoods

3. Location of existing yoga studios.

Data Sources

1. Scraping Wikipedia to find Toronto neighborhoods

2. Using Geocoder package (or the csv file with the co-ordinates used in Week 3) to get the latitude & longitude details of these neighborhoods

3. Using Foursquare API to get venue data related to these neighborhoods