Data-based Decision on which condominum to move into

1. Introduction
   1. Background

Due rental lease having expired, I am required to find a new place to stay.

1.2 Problem

As I am unfamiliar with locations in Singapore, I have no idea which neighborhood will be suitable for me. However, I am comfortable in my current neighborhood. As such, I will utilize a data science approach to identify a neighborhood which is similar to the one I am in now.

1. Data Acquisition

2.1 Data Sources

To help with analysis, I will require the following data points:

1. Condominium Name
2. Condominium Address
3. Condominium Coordinates
4. Venues surrounding each condominium
5. Coordinates of venues

The following data sources are used:

1. To identify the list of condominiums in Singapore, I scraped the website (<https://condo.singaporeexpats.com/property/condo>) for the names and addresses. However, as API calls to Foursquare are limited, I have restricted the list to only 200 condominiums.
2. Foursquare to identify the venues around each condominium.