Introduction/Business Problem

when people come to a new city, there are a lot a of obstacles and difficulties in their ways. one of the main difficulty is to find a suitable neighborhood. Each neighborhood is suitable for some groups of people according to their preferences and their income. In this project I suggest a neighborhood to a user by asking them five multiple choice questions and how much they can afford to pay for housing. I chose Melbourne, the capital and most populous city of the Australian state of Victoria, and the second-most populous city in Australia and Oceania, for my project. So this project help people who are looking for house in Melbourne find the right neighborhood.

Data

I use two main source of data for my project.

- Foursquare location data: Foursquare is a local search-and-discovery service. it features a developer API that lets third-party applications make use of Foursquare's location data. I use this API to search and find out about different venues and their categories of each neighborhood.

- Melbourne Housing Snapshot[1]: I use this data set to understand the price of houses in Melbourne. this data set contains a lot of features but I just use price, landsize(to normalize price) and location of the house.

References

[1] https://www.kaggle.com/dansbecker/melbourne-housing-snapshot