Buying/ Renting a House in Mumbai, India

Introduction

Imagine that you are moving to a new city- maybe you secured a transfer, or you got a new job, or maybe you want to be closer to your family and friends. One of the first things you need to do is look for a house- you might purchase a house if you are looking to settle down or maybe just rent a house for a shorter duration. In either case, you will want to look for a house in a suitable neighbourhood. Choosing a house is a very important decision especially because it can only be done once in a few years. It is critical that you choose the correct location for your house because you will be spending your life here. You really like your current neighbourhood- it has everything you could ask for- a good school for your kids, a fitness centre, restaurants, gardens, and it is close to work. Wouldn't it be great if you could get all these things in your new neighbourhood as well? Or if you wish your new neighbourhood could have a certain list of facilities- what if you could find a list of all such neighbourhoods?

Business Problem

The objective of this capstone project is to analyse different neighbourhoods in Mumbai, India and provide the best locations to purchase/ rent a house based on price and facilities input by the user. Using data science methodology and machine learning techniques such as clustering, this project will answer the following question: If a user is looking to move to Mumbai, what location would you recommend them to look for a house in?

Data

Venue Data: Using the FourSquare API

List of Neighbourhoods in Mumbai:
https://en.wikipedia.org/wiki/List_of_neighbourhoods_in_Mumbai

Property Prices in Mumbai: https://www.99acres.com/property-rates-and-price-trends-in-mumbai