

Future Enhancements:

- As the monthly median prices of properties for the past 20 years are available, I would try to forecast the price dynamically for the current day using time series. The growth of the property value can also be added to profit index and this will help us to check the seasonality and trends in the real estate prices in different zip codes which will give accurate estimate of revenue.
- As the 90% of square feet values are not available, regression techniques can be used to find the square feet values using bathroom, price, property type, accommodations and no of bedrooms, which can be used to find the real estate values per square feet in different neighbourhoods.
- latitude and longitude can be used to accurately check the zip codes they belong to, if zip data is not available and locations can be pointed on graphical maps using Map box API.
- Sentiment analysis can be used on each review to find its impact on occupancy rate.
- Running the same analysis on one bedroom, 3-bedroom, 4 bedroom and more diverse property types.