



Home Renovation Analysis

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Overview

An analysis of King County House Sales dataset determining how different home improvements affects profitability when selling a home.

Outline

- Business Problem
- Data and Process Steps
- Results
- Conclusions

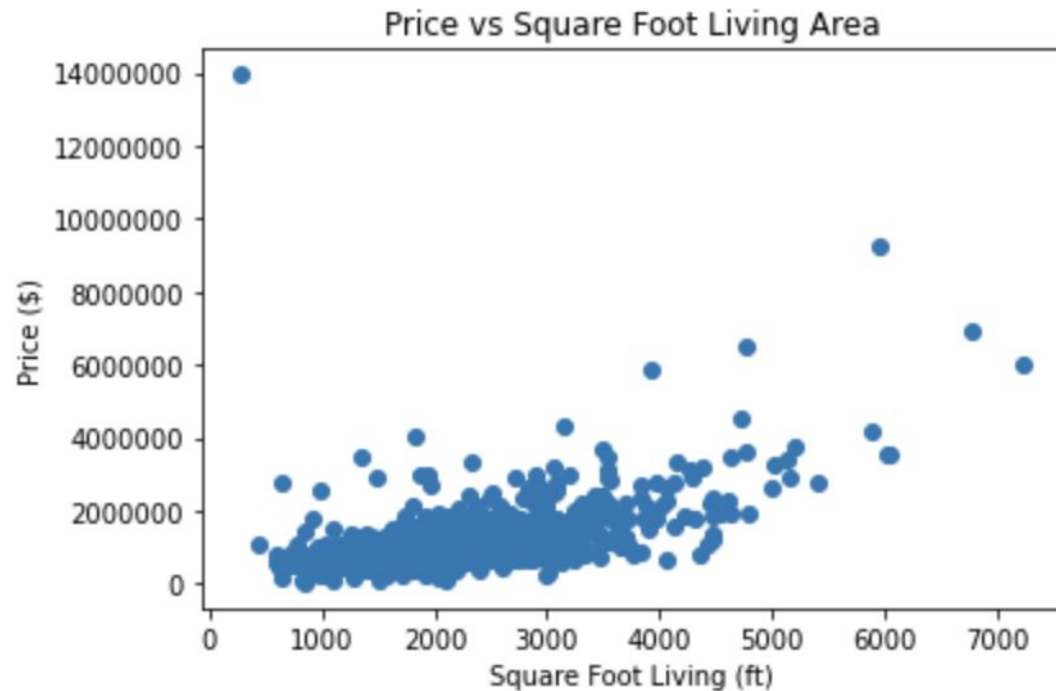
Business Problem

- Homeowners and real estate agents are looking for ways in how different renovations affect their home's price and by how much
- Find the renovations that result in the greatest increase on home's price

Data and Process Steps

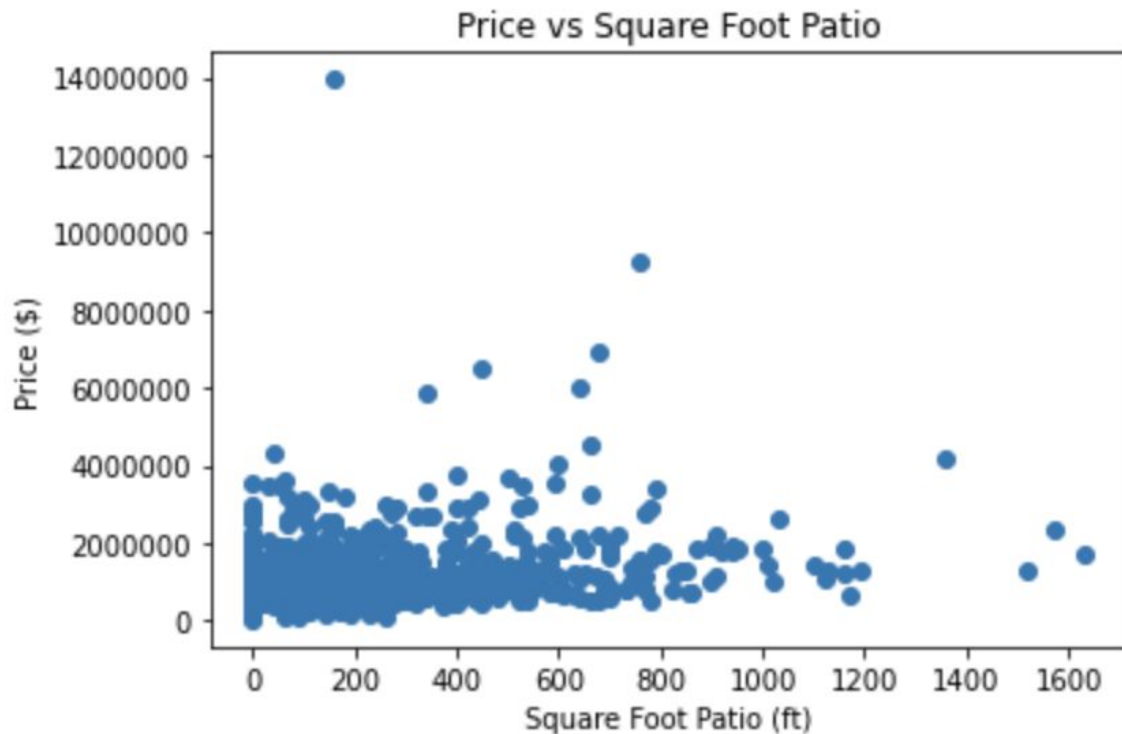
- Utilizing multiple linear regressions to determine best renovations for homes
- Manipulate data via log transformation

Results



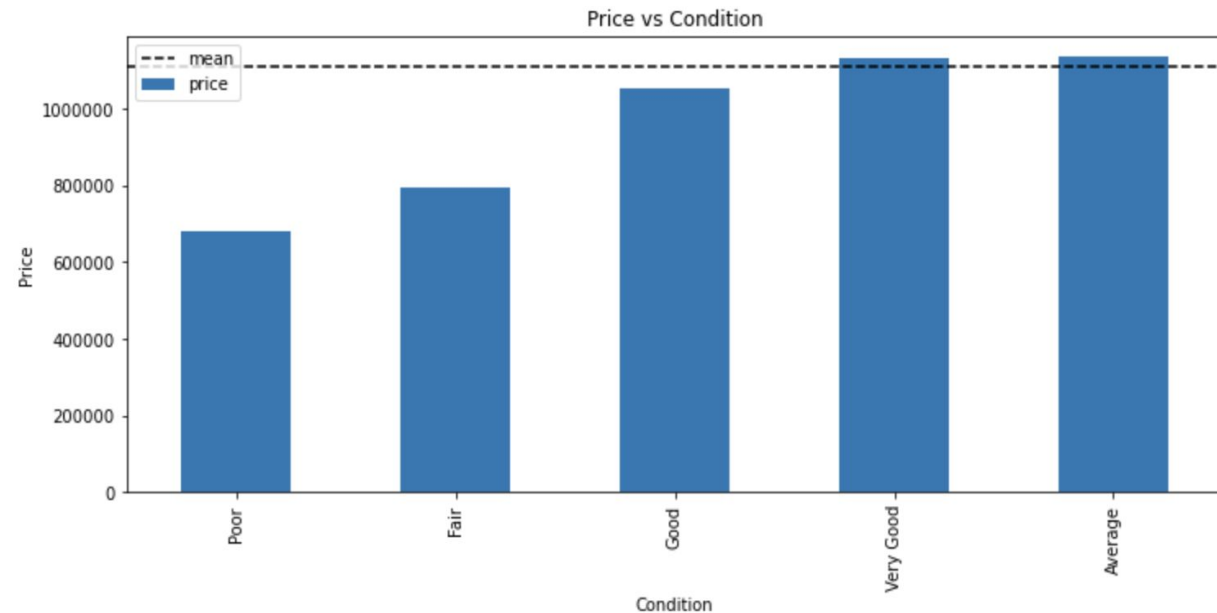
- For every 1% increase in square footage of the living area, expect an associated increase of 0.0004% in price

Results



- For every 1% increase in square footage of the patio, expect an associated increase of 0.0002% in price

Results



- The Very Good condition will result in the largest increase in price by 42%

Conclusion

- Improve the overall condition of the house to add the most value when selling a home
- Add square footage to the patio and living area to also help increase the value of the home

Thank you!

Questions?

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