



Real estate Resale Needs Analysis

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June 21, 2022



Summary



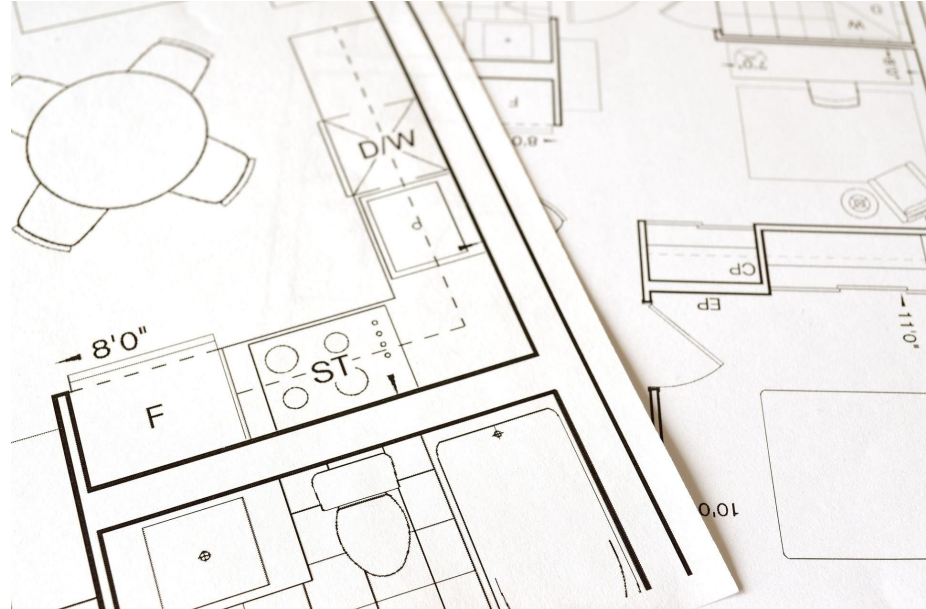
Descriptive and inferential analysis of the data from King County House Sales depicted correlations between aspects of house renovations that are more profitable.

Outline

- Business Problem/Data
- Modeling
- Regression results
- Recommendations
- Next Steps
- Thank you

Business Problem/Data

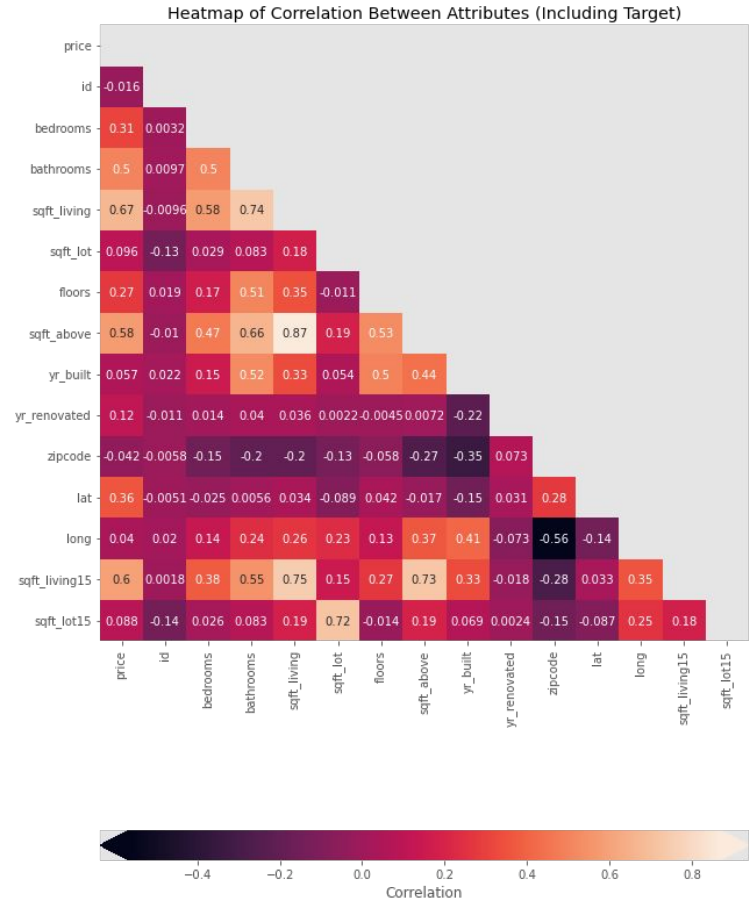
- What features of home renovations in King County lead to the most resale profit.
- The Data utilized is the King County House Sales dataset provided by csv file.



Molding

My base model was founded upon finding out that the square feet of the living space was the most correlated with the prices of the houses.

I then improved upon this model to find the most correlated features to price.



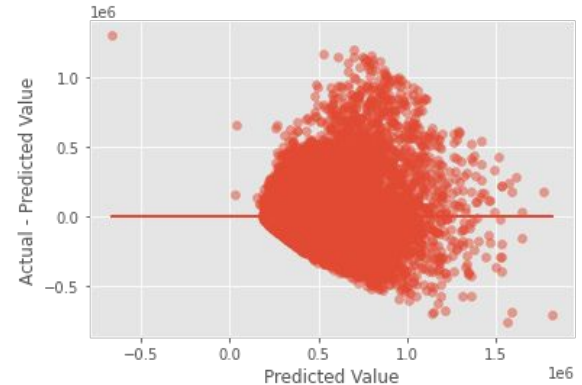
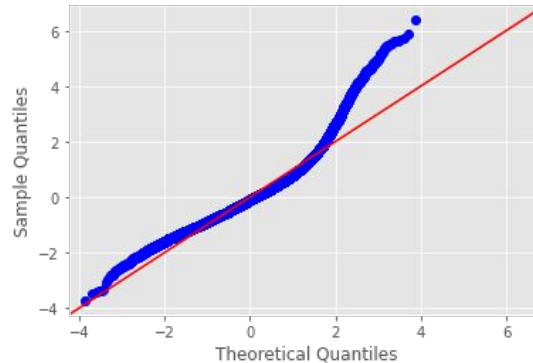
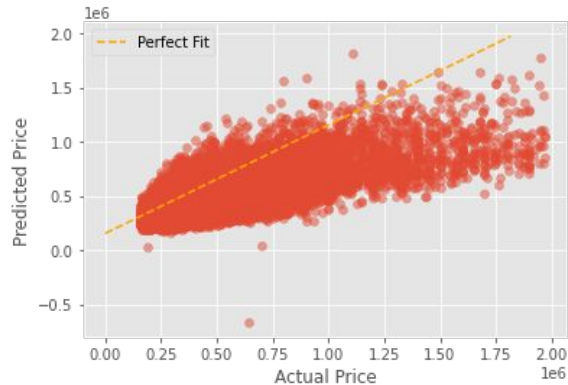
Regression Results

- The best model depicted that the additions of square foot living space, bedrooms and bathrooms had the highest correlation with higher price.



Regression Results

- The three tests for model confidence and multicollinearity are displayed below. Some assumptions are possibly violated due to the shape of the first and last visualizations.



Recommendations

This analysis leads to a correlation between price and the aspects of the houses:

- I would advise the local real estate office in King County that renovations for more square feet of space within the house and additions of bathrooms and bedrooms would gain more of a profit than other potential renovations.

Next Steps

Further analyses could yield additional insights to further aid in the local real estate office at King County:

- I would look into other trends that could affect the housing market, such as different counties around King County for comparison, as well as different statistical analysis on the data already collected.

Thank You!

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