



# Real estate Resale Needs Analysis

Rachael Bryant  
June 21, 2022



# Summary



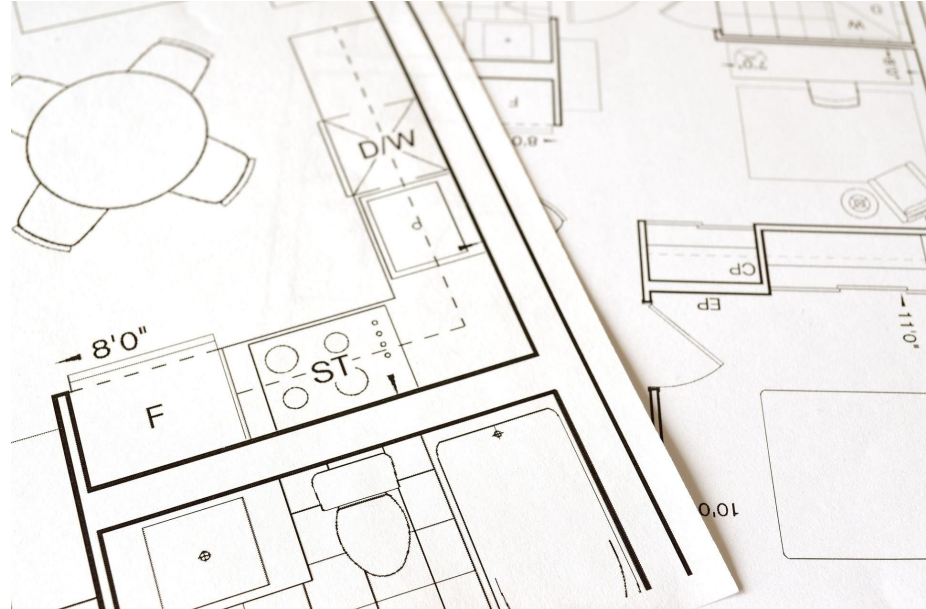
Descriptive and inferential analysis of the data from King County House Sales depicted correlations between aspects of house renovations that are more profitable.

# Outline

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

# Business Problem/Data

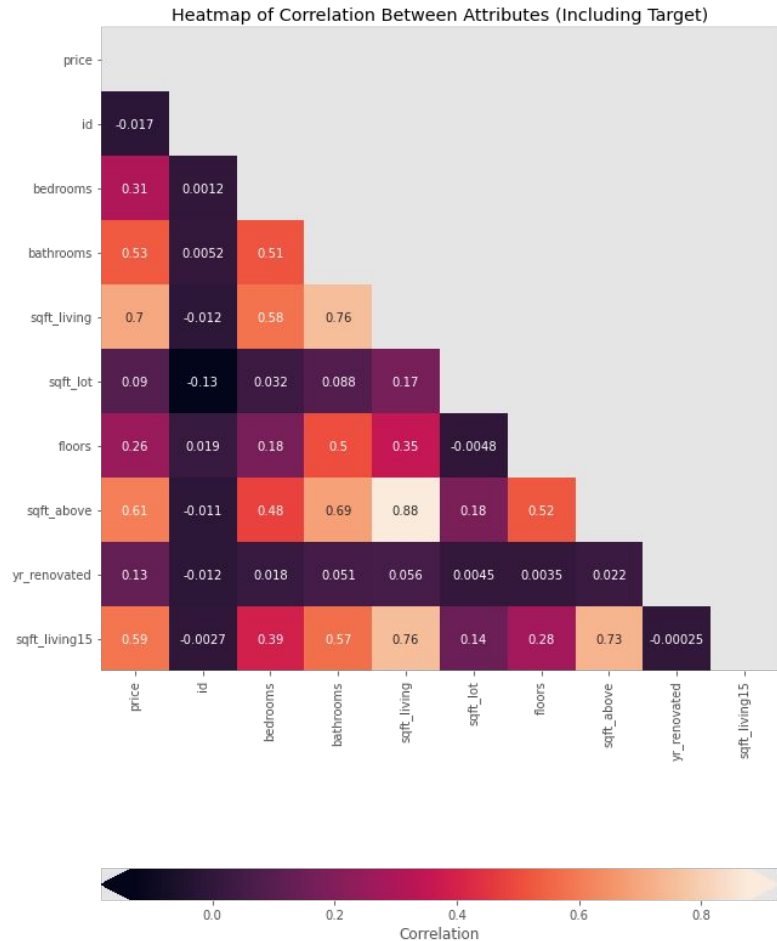
- What features of home renovations in King County lead to the most resale profit.
- The Data utilized is the King County House Sales dataset provided by csv file.



# 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 tried two more models in order to improve the model and account for more variance.

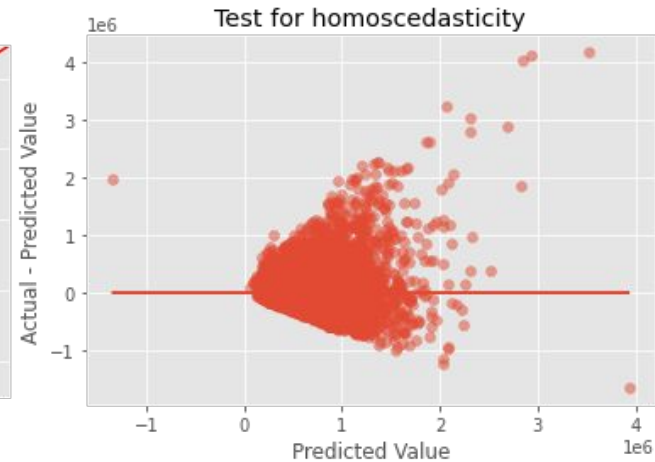
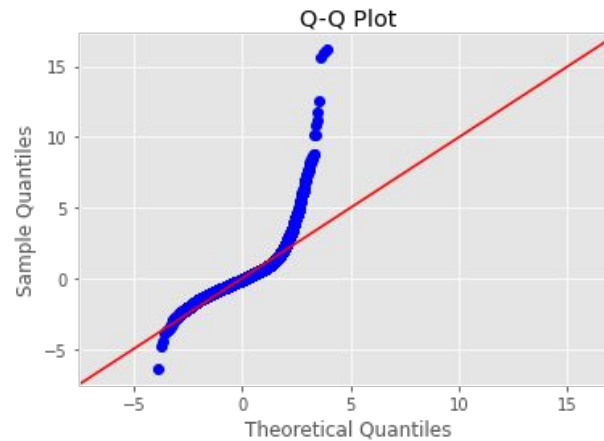
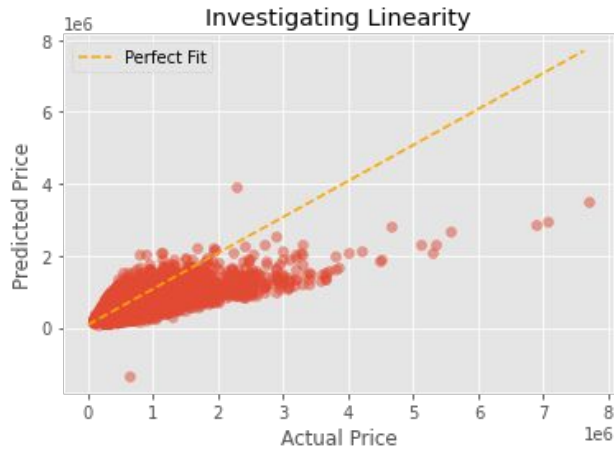


# Regression Results

- The best model accounts for 62% of the variance in the price.
-

# Regression Results

- The three tests of multicollinearity shown below also depict that the models are not reliable.



# Recommendations

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

- I would advise the local real estate office that renovations for more sqft of space within the house and additions of bathrooms and bedrooms could 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 effect the housing market.

# Thank You!

Email: [rachaelbryant94@gmail.com](mailto:rachaelbryant94@gmail.com)

GitHub: @rabrya0072

LinkedIn: [linkedin.com/in/rachaelbryant/](https://www.linkedin.com/in/rachaelbryant/)