

King County Housing Analysis



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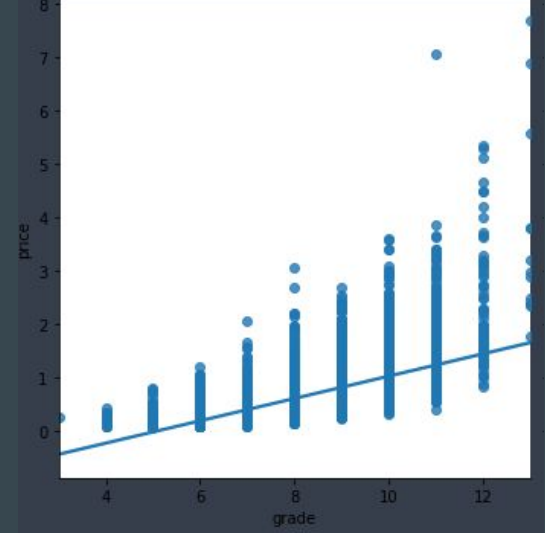
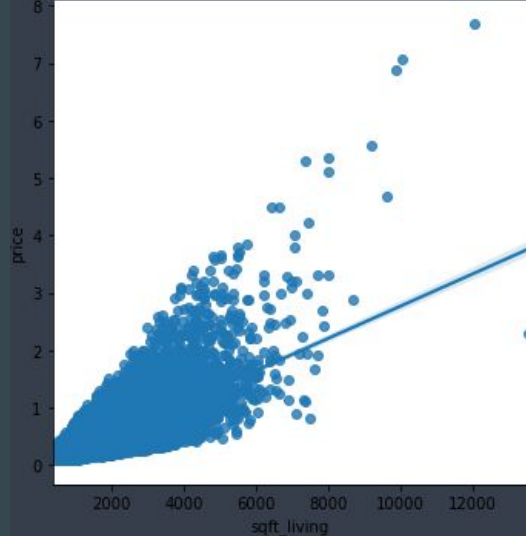
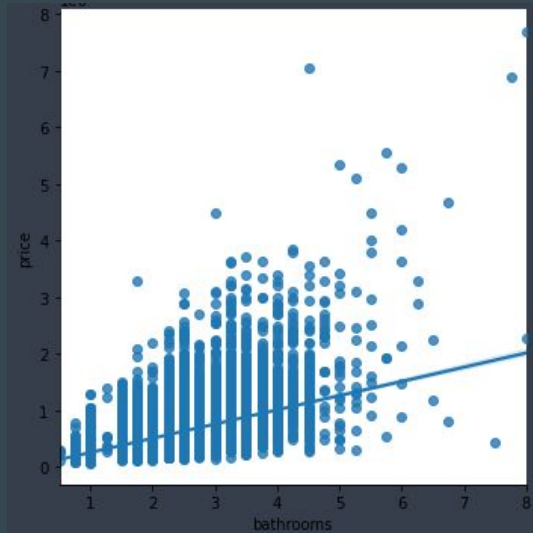
Project Summary

- Trying to provide value in the real estate space
- Extract valuable information from housing data
- Can we predict how much a home will sell for based on factors such as its square footage, year it was built, etc?

Questions and Potential Insights

- Expected Home Price?
- Potential Renovations?

Initial Looks



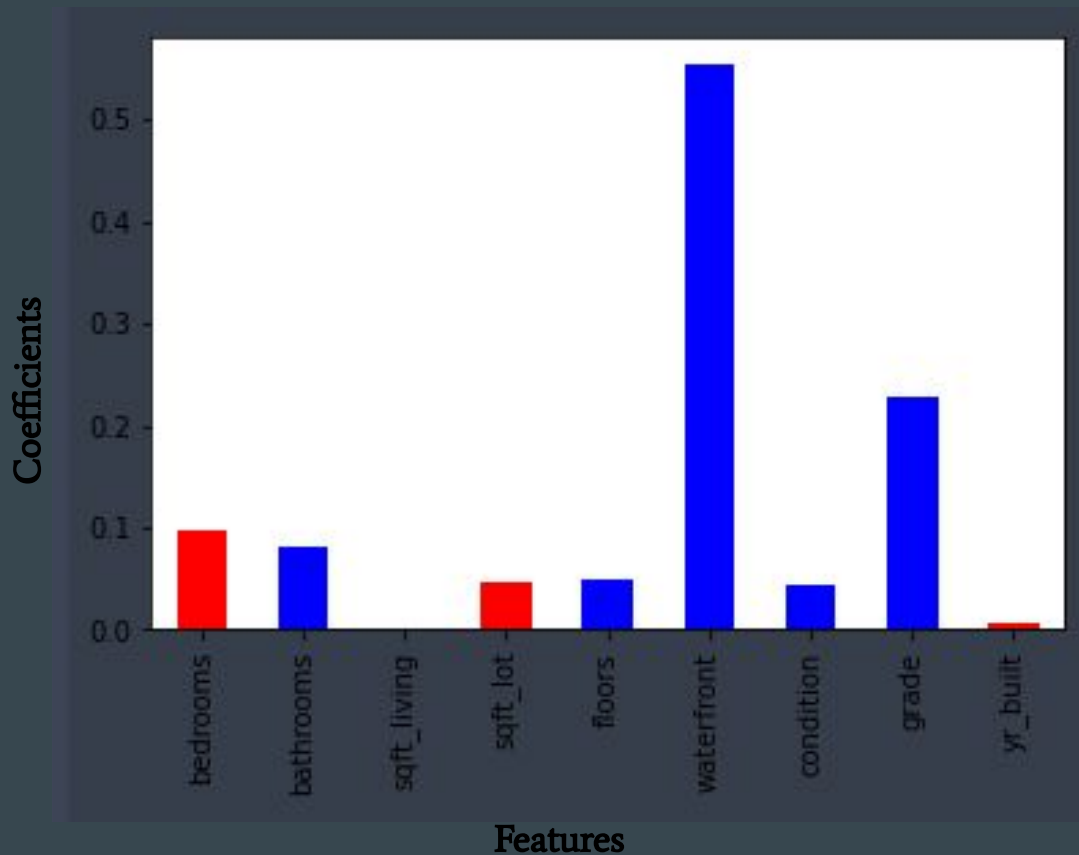
- A Positive Correlation means that as ____ increases, generally ____ does as well.

The scatter plot illustrates the relationship between the condition of an item and its price. The x-axis, labeled 'condition', ranges from 1.0 to 5.0. The y-axis, labeled 'price', ranges from 0 to 8. A horizontal blue line is drawn across the plot at a price of approximately 0.6. The data points are blue dots. At condition 1.0, there is one point at price ~1.5. At condition 2.0, there are three points at prices ~0.1, ~1.0, and ~1.2. At condition 3.0, there is a dense cluster of points ranging from price ~0.1 to ~7.1. At condition 4.0, there are points at prices ~0.1, ~3.3, ~3.8, ~5.3, and ~7.7. At condition 5.0, there are points at prices ~0.1, ~2.6, ~3.0, ~3.2, and ~3.6.

- Source: King County Housing**

Prediction Model Results

Home Features Influence on Price

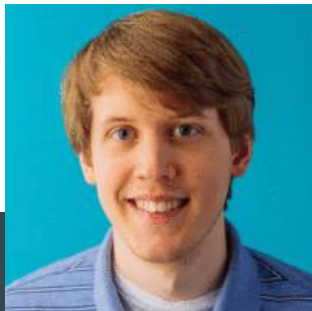


- Red = negative correlation
- Most influential features on our model?
- Waterfront, Grade, Bedrooms(-), and Bathrooms
- 65% accuracy model

Recommendations

- Increase “Grade”
- Consider adding a bathroom to your home
- Avoid adding new bedrooms (counterintuitive?)

Thank You!



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