King County, WA Housing Data Analysis

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Housing Dataset

- The data given is from King County, WA
- The dataset contains features about: bedrooms, bathrooms, square footage, location, view, waterfront, number of floors, zipcodes
- Our goal is to build a model to predict the price sale in order to come up with actionable insights

Filters for Our Target Houses

- \$78,000>= Price <= \$5,570,000
- Bedrooms < 10
- Bathrooms < 4
- Floors < 3
- 370 sqft >= Living <= 5990 sqft



Top Features

- Zipcode:
 - 0 98112, 98039, & 98004
- Square Foot Living
- Grade
- Condition
- View



Top Findings

- Zipcode 98039
 - Coef = 1.27, price will increase by 12.7%
- Sqft Living
 - Coef = .17, price will increase by1.7% per 100 sqft
- Highest Grade
 - Coef = .44, price will increaseby 4.4%









Conclusions

The most important features to focus on are grade and square foot living

Location (geographic features) is also important



Recommendations

- 1. Renovate to increase square footage.
- 2. Target certain areas to buy and resell.
- 3. Invest in upgrades to improve quality.



Future Work

- 1. Gather data from different school districts in KC to see if there is a relationship with prices of a house and the quality of schools.
- 1. Look at location to see how much of a factor it plays into the price of a house (lat/long).
- 2. Get before/after stats on renovated houses to see the frequency houses are being renovated and if it has an effect on prices.

