KC Housing Data Presentation

The Problem

- How can we predict housing prices within a housing market ?
- What are the greatest influencers on price in terms of features ?

The Data Given

- ID
- Date
- Price
- Bedrooms
- Bathrooms
- Sqft_living
- Sqft_lot
- Floors
- Waterfront
- Condition

- View
- Grade
- Sqft above
- Sqft basement
- Year built
- Year renovated
- Zipcode
- Lat
- Long
- Sqft living15
- sqft_lot15

Problems with the Dataset

- Missing Values within several columns

Model Results

- Our Model Accuracy is Roughly estimated at 74% with a Root Mean Squared Error (RMSE) of roughly .065.

Most Significant Features in Order

- Bedrooms
- Sqft Living
- Location
- Condition
- Waterfront
- Year Built

Recommendations

- Invest in properties with high ammount of bedrooms, and high square foot living area
- Research the location of your targeted house, as location plays a key role in prices.
- Investigate the condition of the house, as this will have a dramatic effect on price
- Invest in Waterfront properties as they generally make the property much more expensive.
- Antique houses, built in the early 1900s are generally more valuable.