# King County Housing Price Prediction

Analysis of King County housing data to predict house prices

## overview

- Data Overview
- Business Understanding

Findings

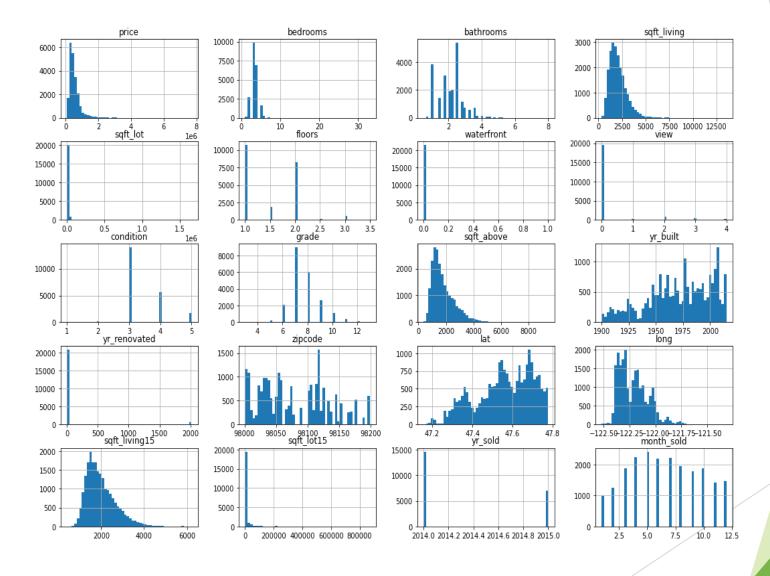
- Discussion
- ► Recommendation
  - Conclusion

#### **Data Overview**

▶ Data contains 21 features of houses sold between May 2014 and May 2015. There are a total of 21597 records of houses were sold in the dataset

# Variable Distribution

Skewed data



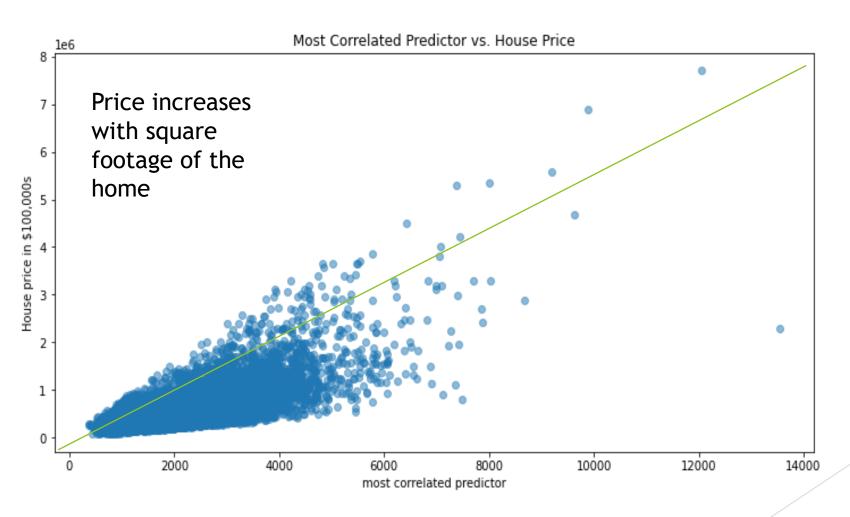
## **Business Understanding**

- The predictive model is for real estate investors.
- It will help determine house prices
- ▶ It will determine which features favour prices to drive profit margins high

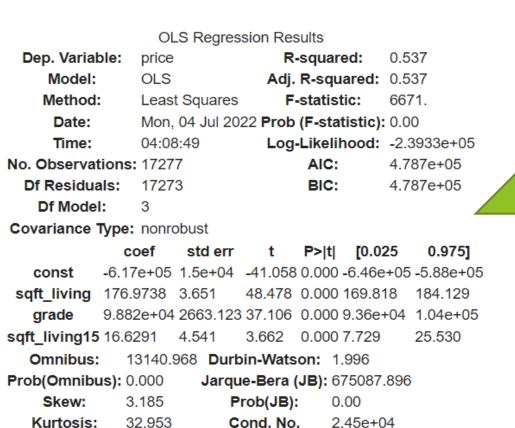
## **Findings**

- Top two most significant feature are:
  - Grades
  - square footage of houses.
- Least Significant Features:
  - Sqft\_basement
  - Sqft\_lot
  - Sqft\_lot15

## Correlation of Price with Square Footage of Homes



#### **Best Model**





### Recommendations

- Homes with better grades
- Homes with appr 2000sqft
- ☐ Size of homes similar to neighbouring Homes

### **Limitations of Model**

Multicollinearity unless Transformed

through natural log and feature scaling