

Kings county home sales predictive analysis

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Outline

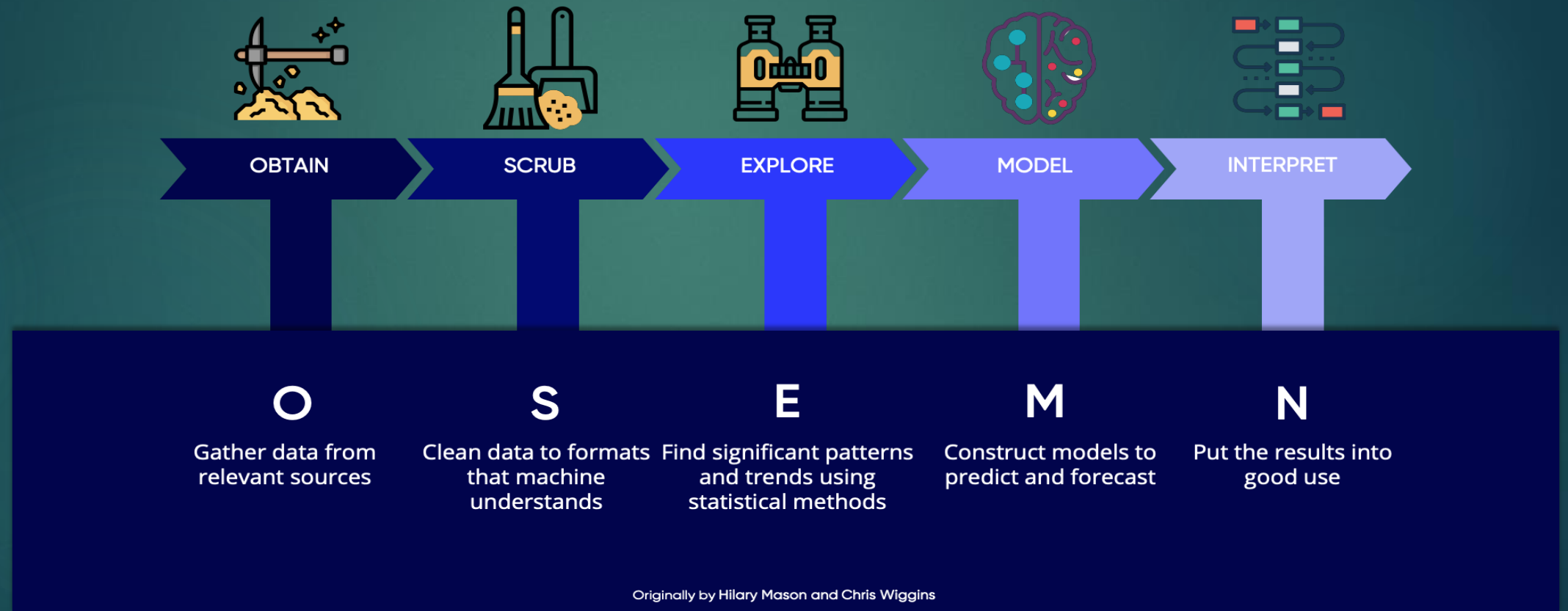
- ▶ About the king's county dataset
- ▶ About the Process
- ▶ Data cleaning
- ▶ Features used for predictions
- ▶ Prediction Analysis
- ▶ Business Recommendations
- ▶ Future Work

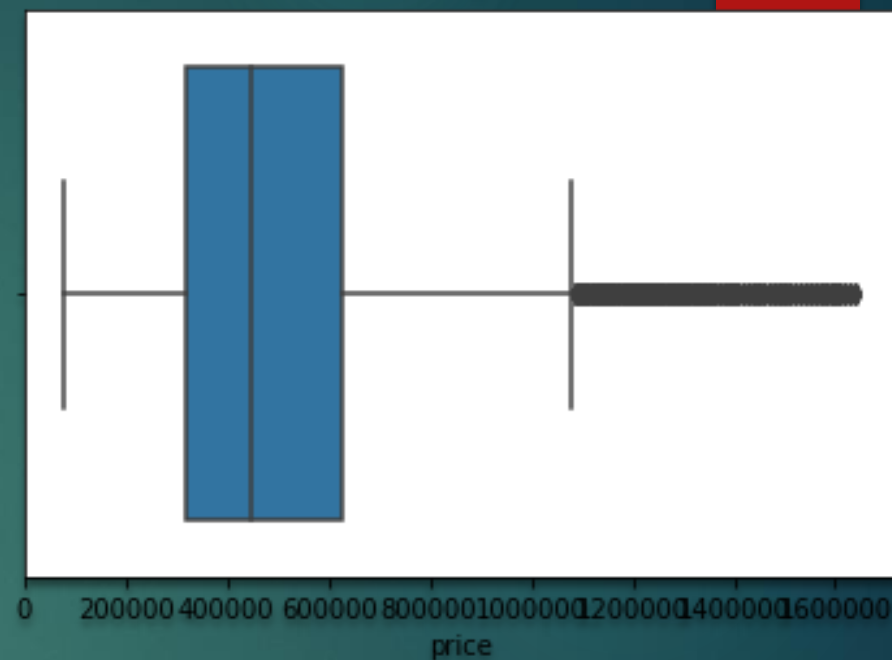
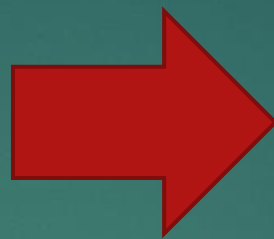
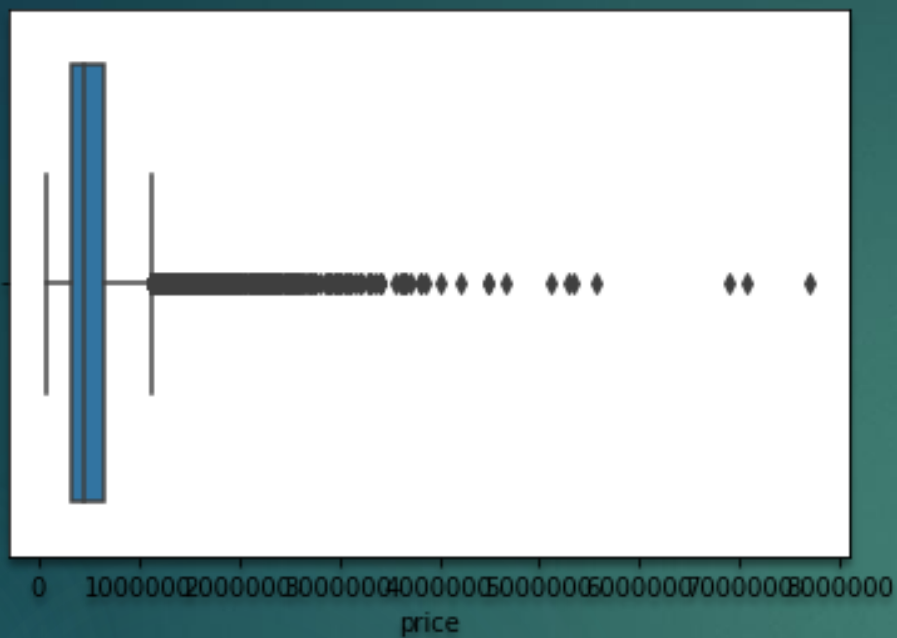
About the dataset

- ▶ Contains info for part of the population of the king's county in Washington
- ▶ Small dataset
- ▶ Hard to predict certain info with lack of variables that affect price
- ▶ Many incomplete columns to deal with

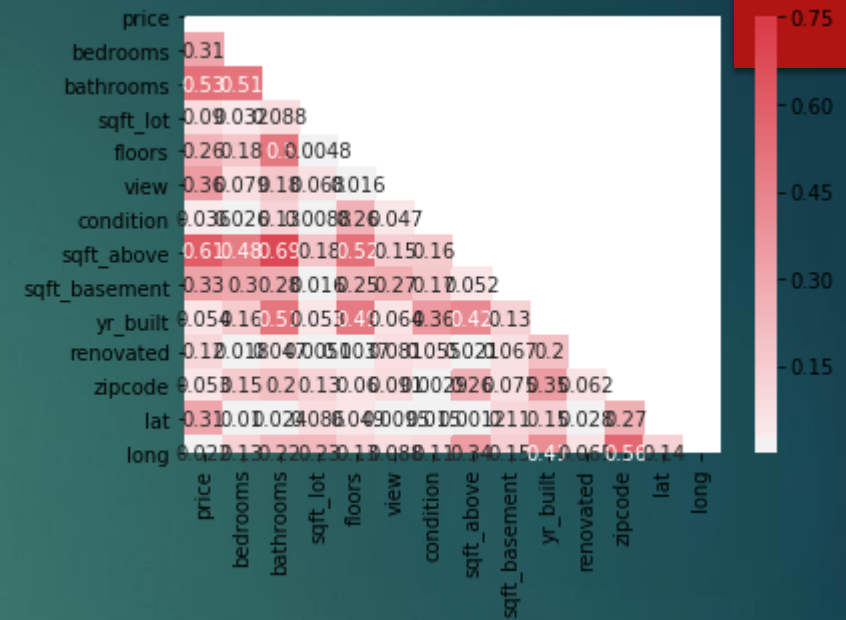
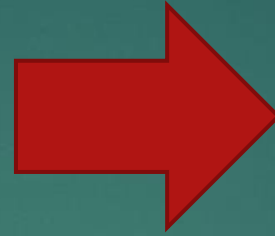
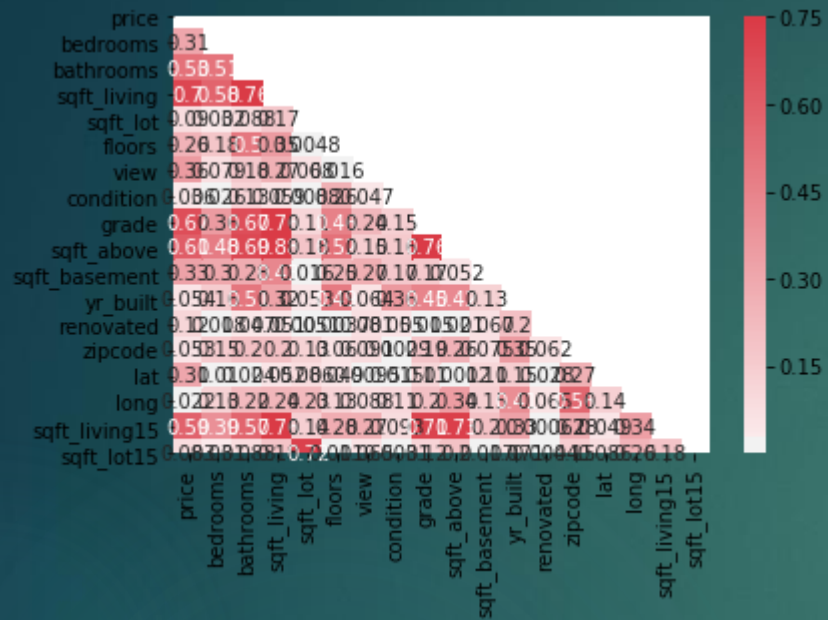
About the Process

Data Science Process





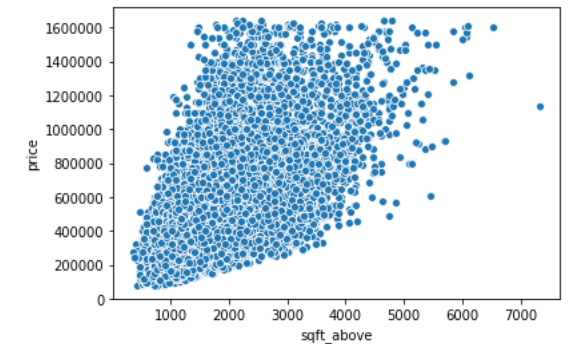
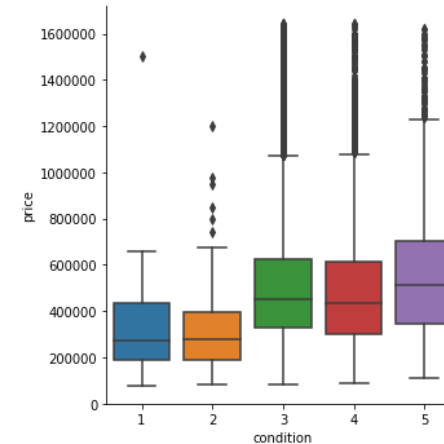
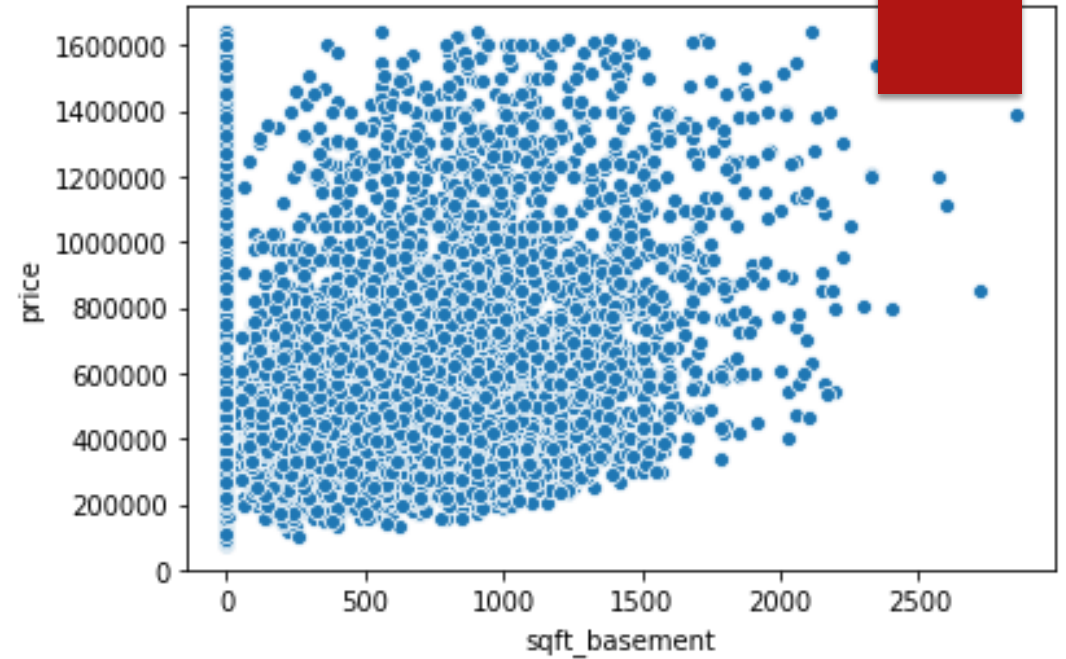
Data cleaning- Outlier removal



Data cleaning- Multicollinearity
 (Notice the lighter shade of red due to less columns that relate to each other)

Home sale predictors

- ▶ Sqft_basement seems to be correlated with sale price
- ▶ Sqft_above also seems to be correlated with the sale price
- ▶ The condition definitely has an effect on the sale price



Business Recommendations

Increase home
square footage
as much as
possible

Home should
be in very good
condition

Future Work



ANALYZE DIFFERENT AREAS
AND SEE IF THE SAME IDEAS
COME TO MIND



COMPARE THE AREA SALE
PRICE BASED ON DIFFERENT
CULTURED AREAS



ANALYZE PRICES BASED ON
AREA POPULATION

