

HOUSE DATA ANALYSIS

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SUMMARY

- The square footage of interior housing living space and the Grade of the house has a somewhat positive linear relationship so sellers should renovate their houses to increase the interior housing living space and also fit high quality cabinet work, wood trim, marble and entry way. etc

OUTLINE

- Business Problem
- Data
- Methods
- Results
- Conclusions

BUSINESS PROBLEM

- Kings' real estate agency helps homeowners buy and/or sell homes. There is a need to provide advice to homeowners about how home renovations might increase the estimated value of their homes, and by what amount.

DATA

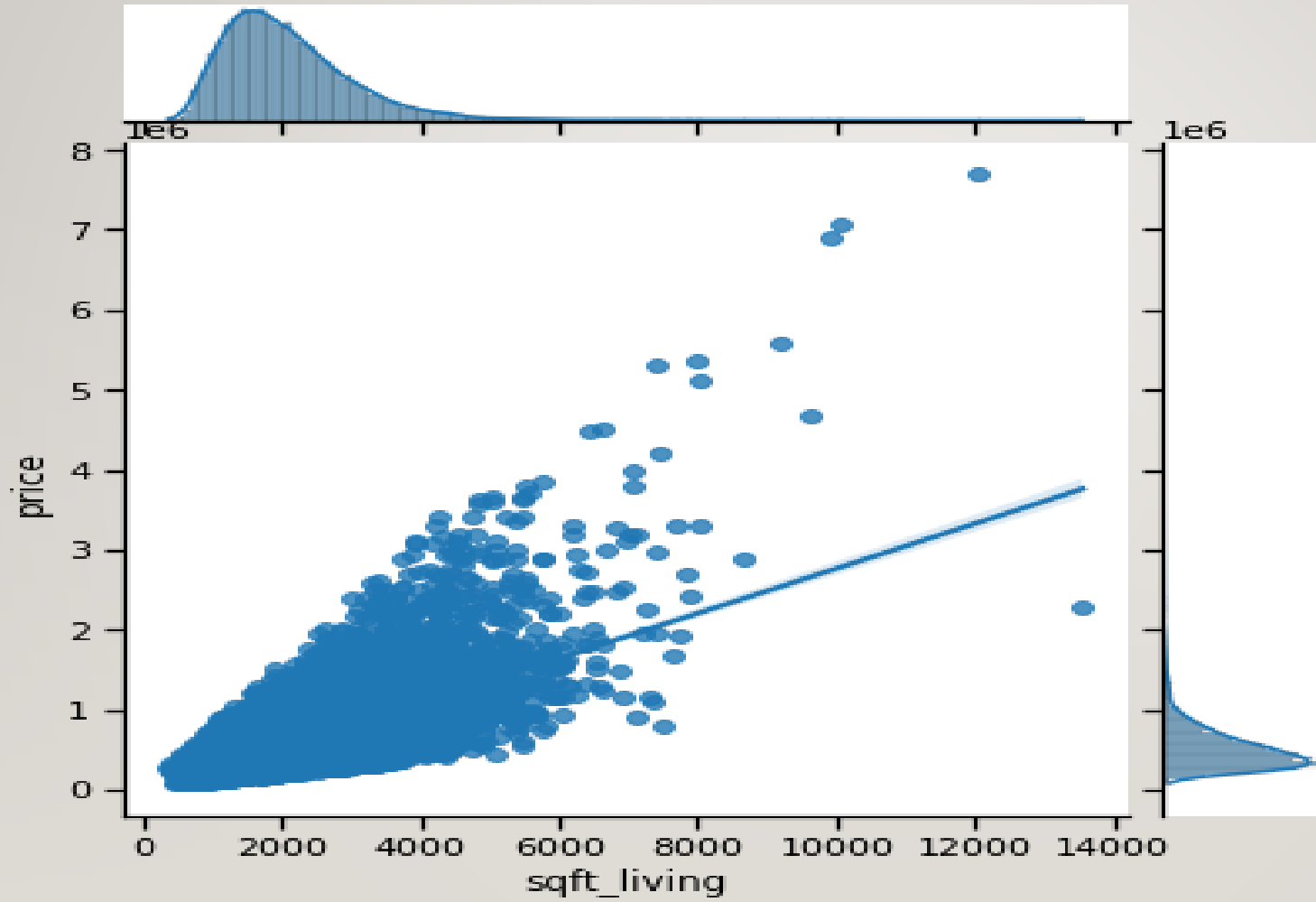
- For this analysis, I used the King county house sales dataset. This datasets contain information on the houses built between 1900 and 2015. My target variables are:
Bedrooms,bathrooms,sqft_living,sqft_lot,floors,condition,grade,yr_built

METHODS

- This project uses Exploratory Data Analysis and regression modelling to find correlation between variables and coming up with a model for new data.

RESULTS

The living space has a positive correlation with the price of the house.



CONCLUSIONS

- The square footage of interior housing living space and the Grade of the house has a somewhat positive linear relationship. This means that an increase in the interior housing living space will lead to an increase in the price of the house similarly for the grade.
- The MSEs for the train and test subsets are almost similar, which suggests that the model will perform similarly on different data