

King County

Homebuyer Help



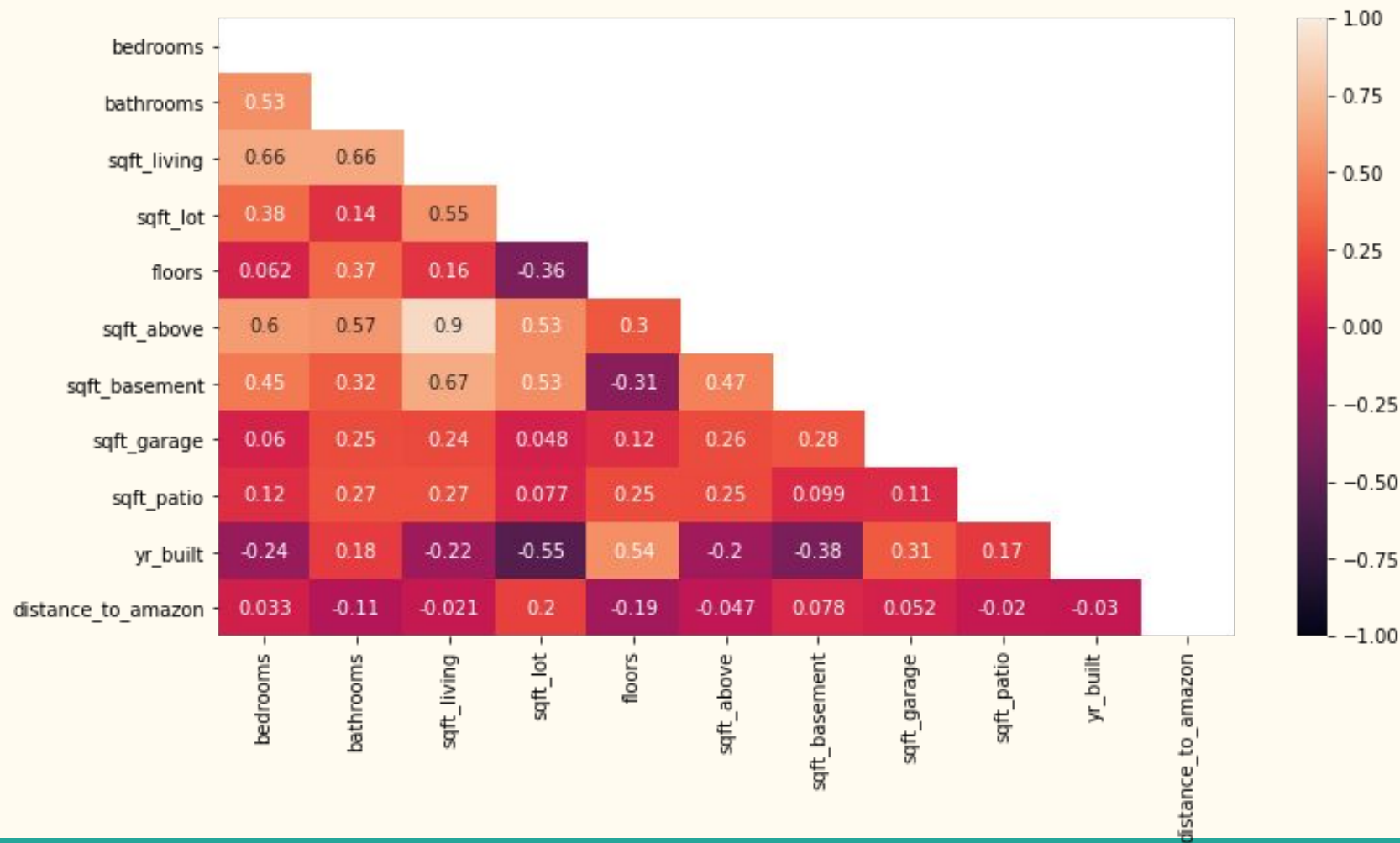
Business Story:

- Housing options that meet price range and interests such as a short commute to work
- What factors significantly cause increase the price of a house?
- How can this knowledge make you a more savvy buyer?

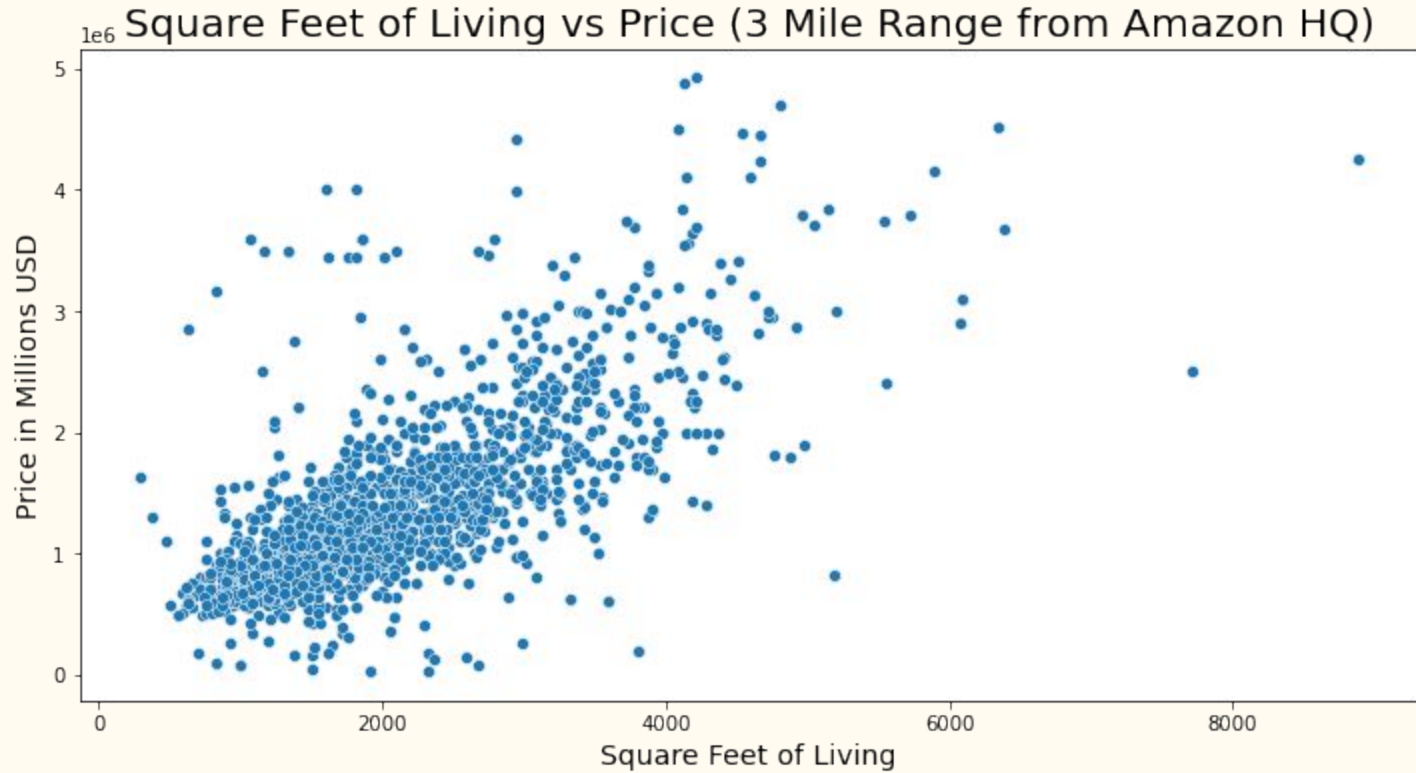
Data Understanding/Analysis

- House sales dataset from June 2021 to June 2022
- Over 29,000 different homes across King County
- The data contained information on:
 - Bedrooms, Bathrooms, Square Footage, Zip Code and more

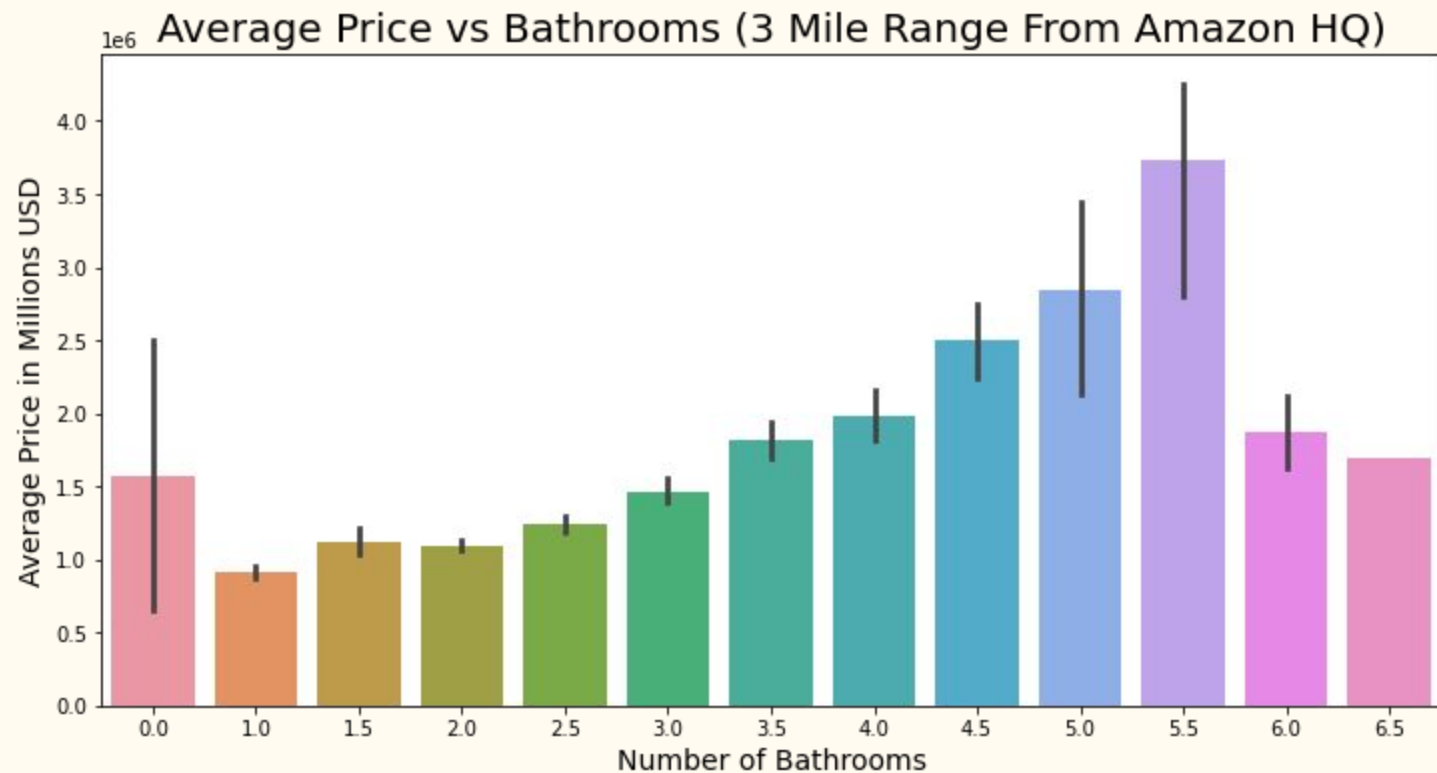
Dependent Variable Correlation Heatmap



EDA

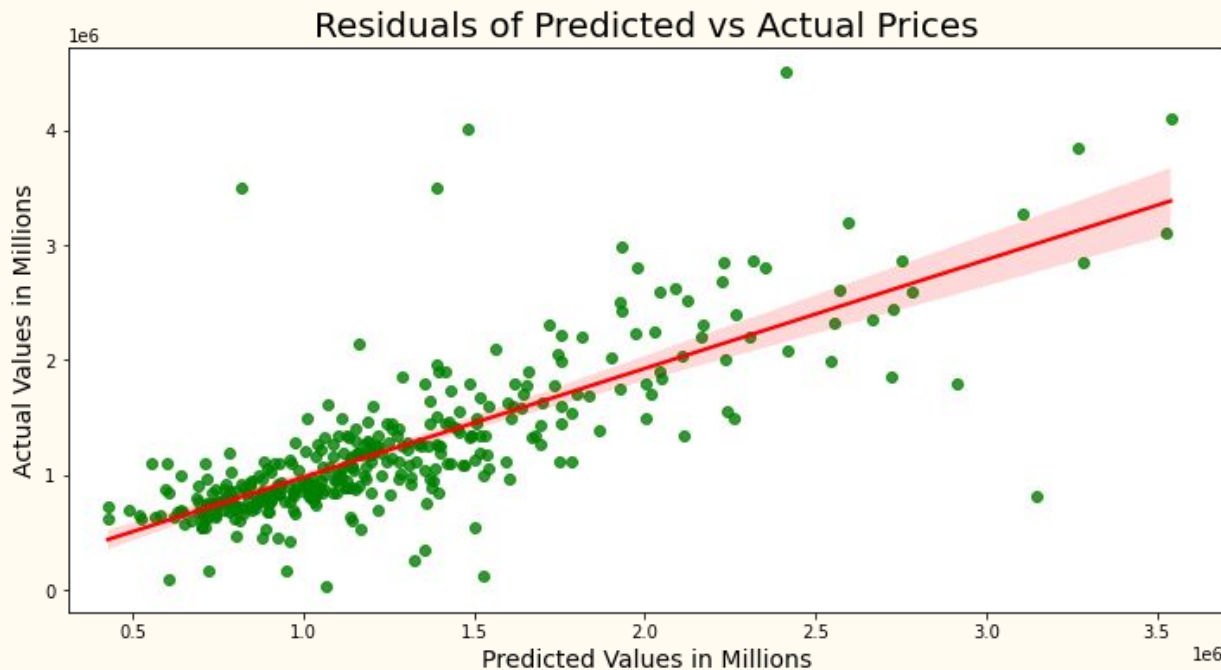


EDA



Model Prediction Accuracy

- Based on EDA, ran a multivariable regression
 - Test accuracy 63%
 - Key dependent variables: bedrooms, bathrooms, sqft_living and more



Renovate Home to Increase its Value

- Buy a home with smaller square footage and add an extension to your living space

OR

- Buy a home with few bathrooms and add more

Thank you!

Any questions?

Daniel Cotler