

# King County

# Homebuyer Help



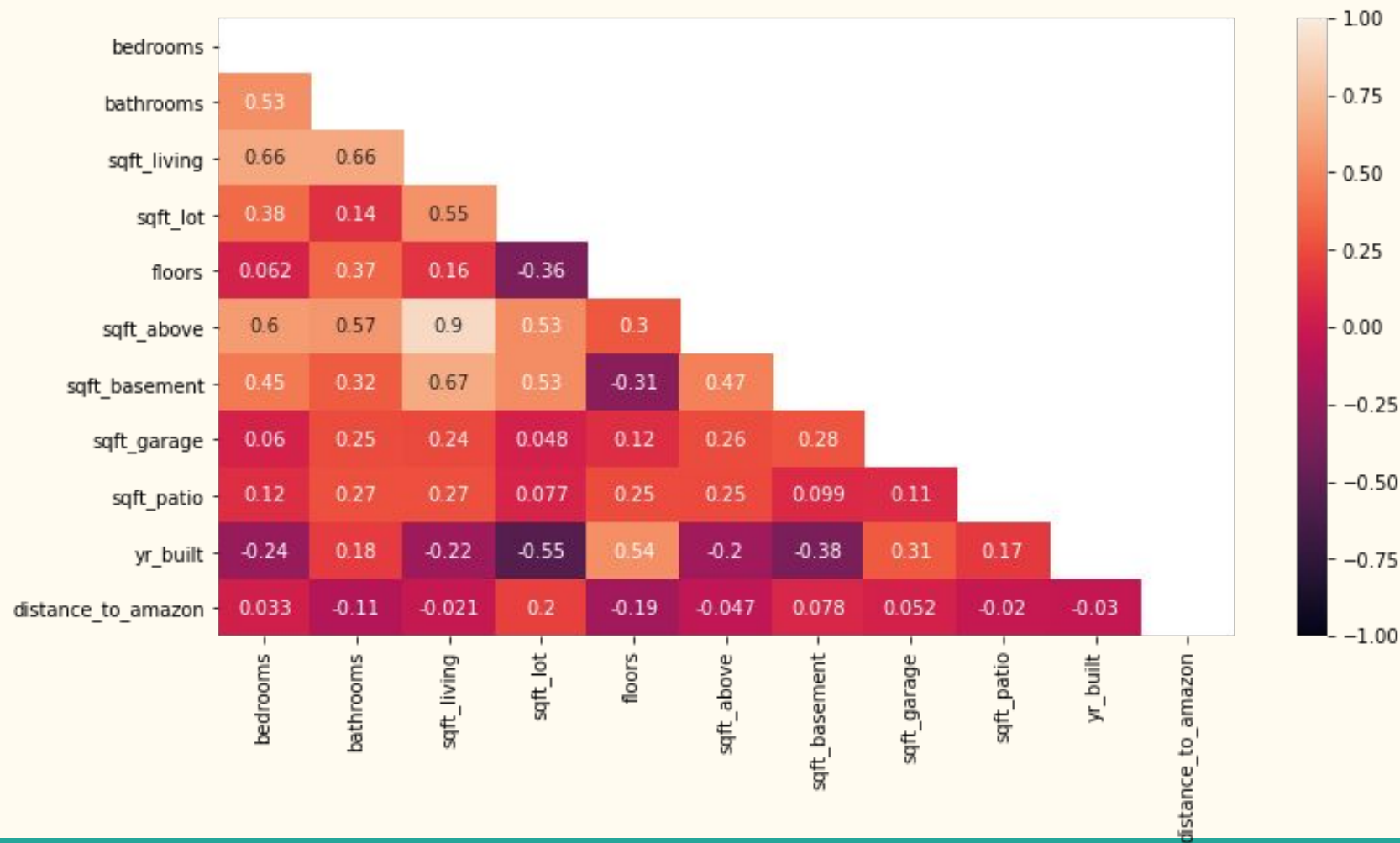
# Business Story:

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

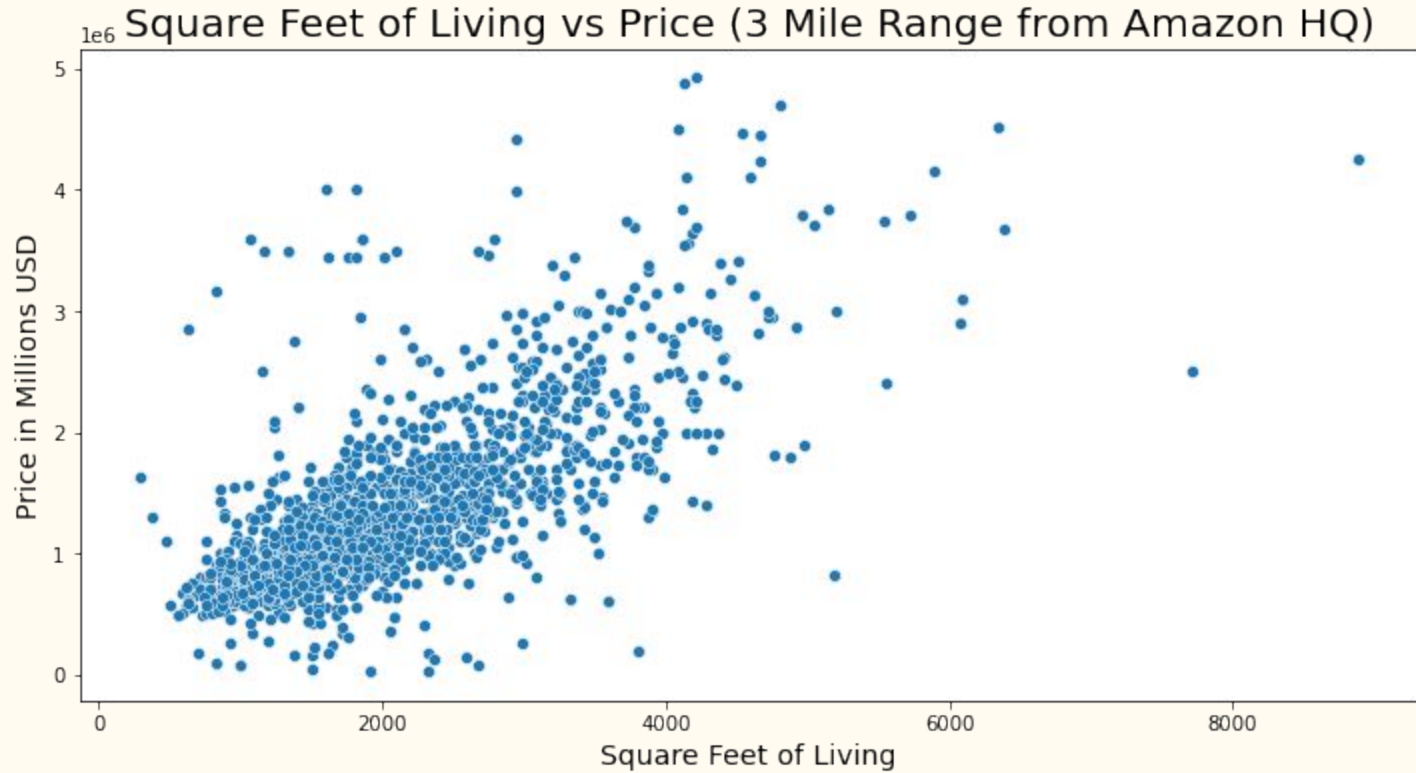
# Data Understanding/Analysis

- 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

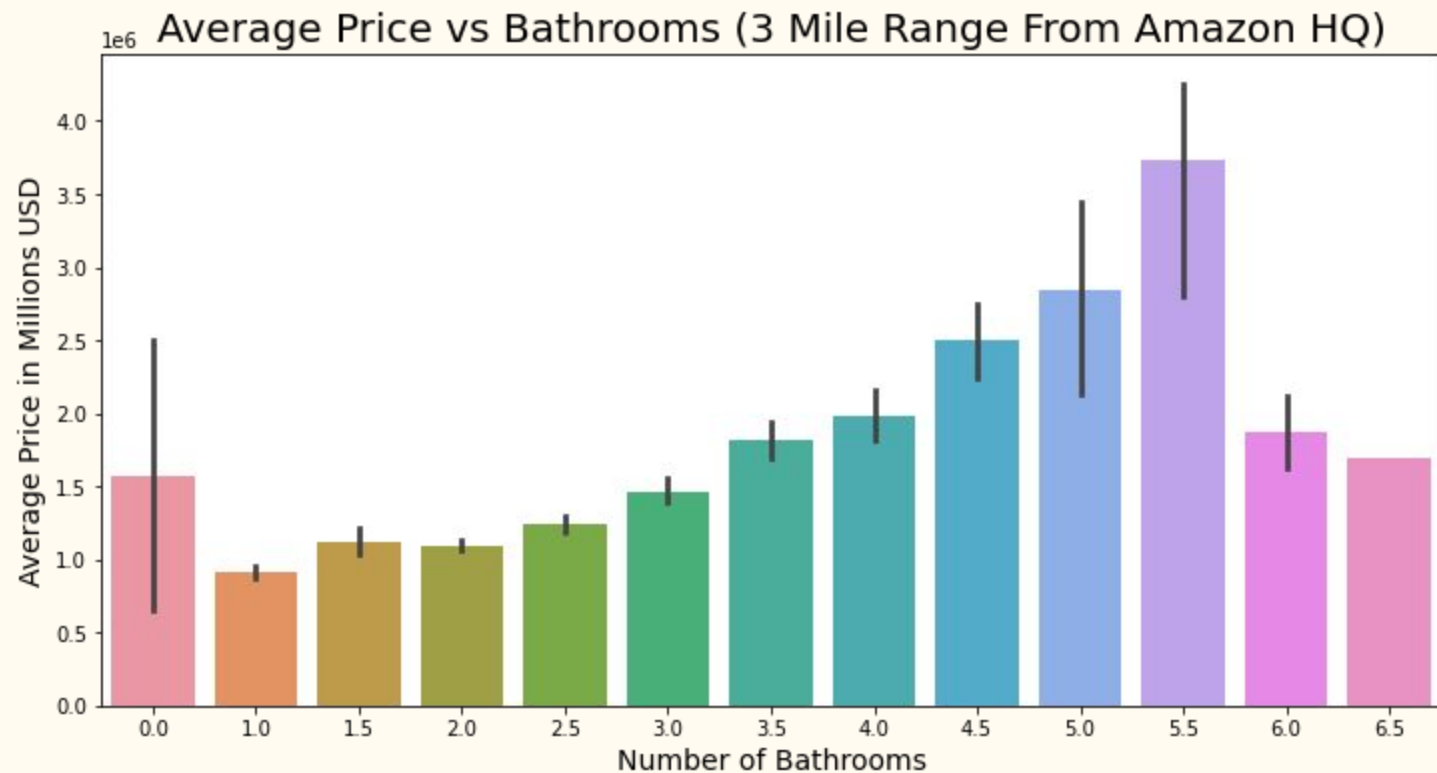
# Dependent Variable Correlation Heatmap



# EDA

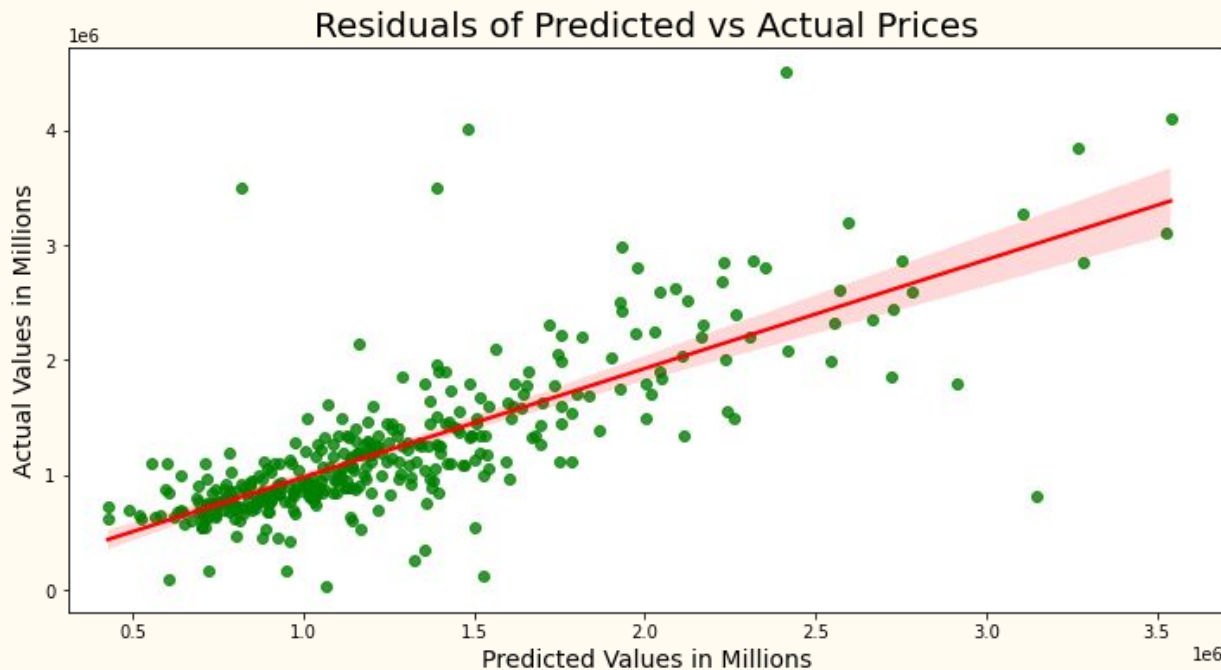


# EDA



# 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