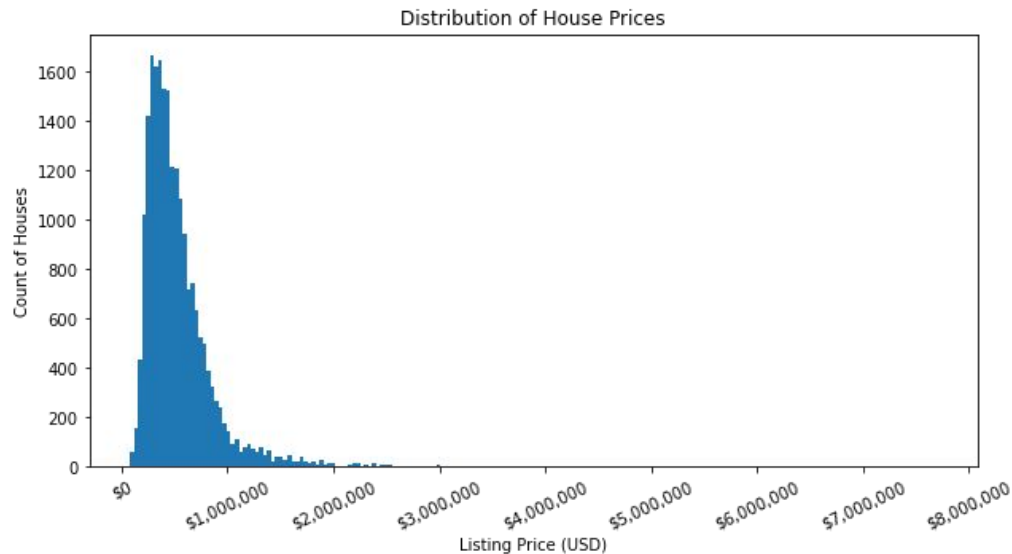


Blackrock Real Estate Investment

Cassidy Exum, Data Science Flex

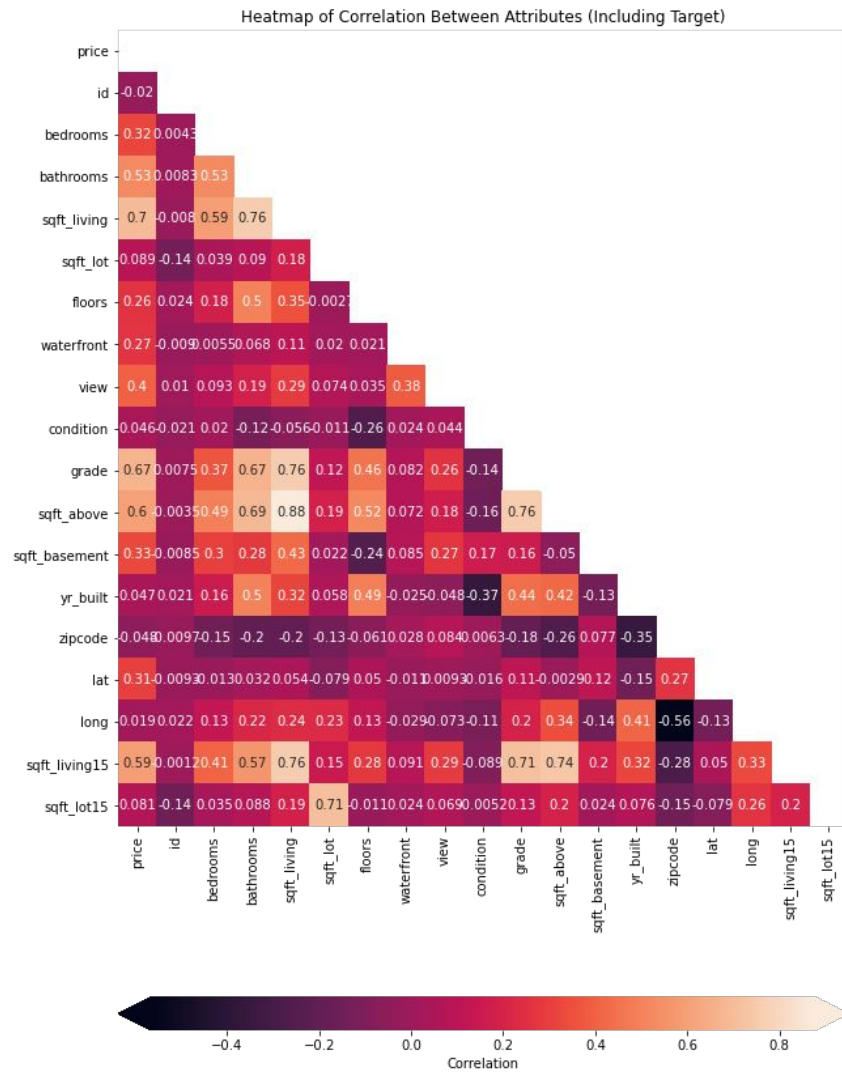
King County

- How can I assist Blackrock in making educated decisions about King County housing?



Data Correlation

The first thing we looked at was a correlation heat map to help determine what features to use



Iterations

Current (Fourth) Model

Train score: 0.6136335994144271

Validation score: 0.6057737894191472

Third Model

Train score: 0.6132435248894742

Validation score: 0.6054904093503676

Second Model

Train score: 0.6136456182503751

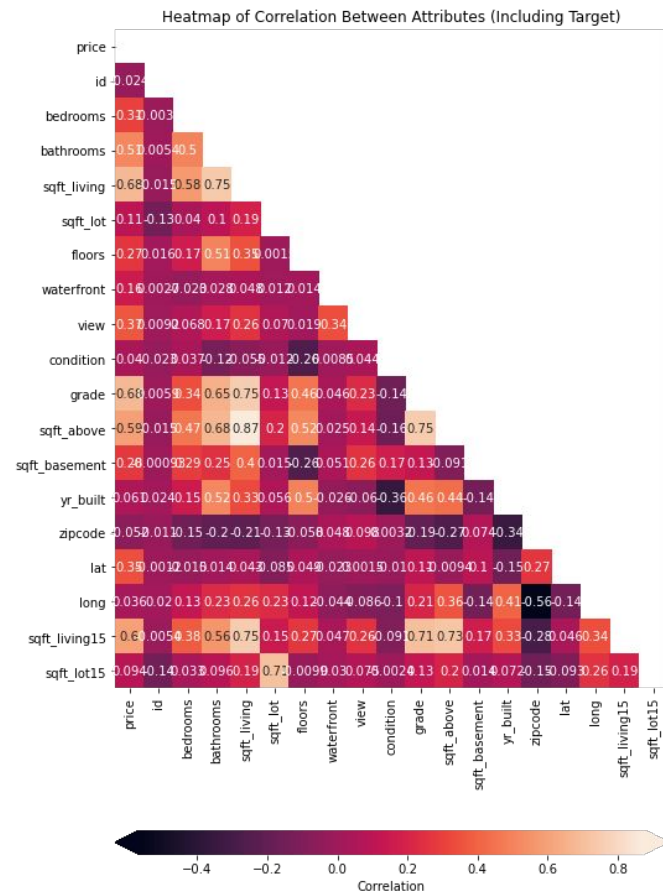
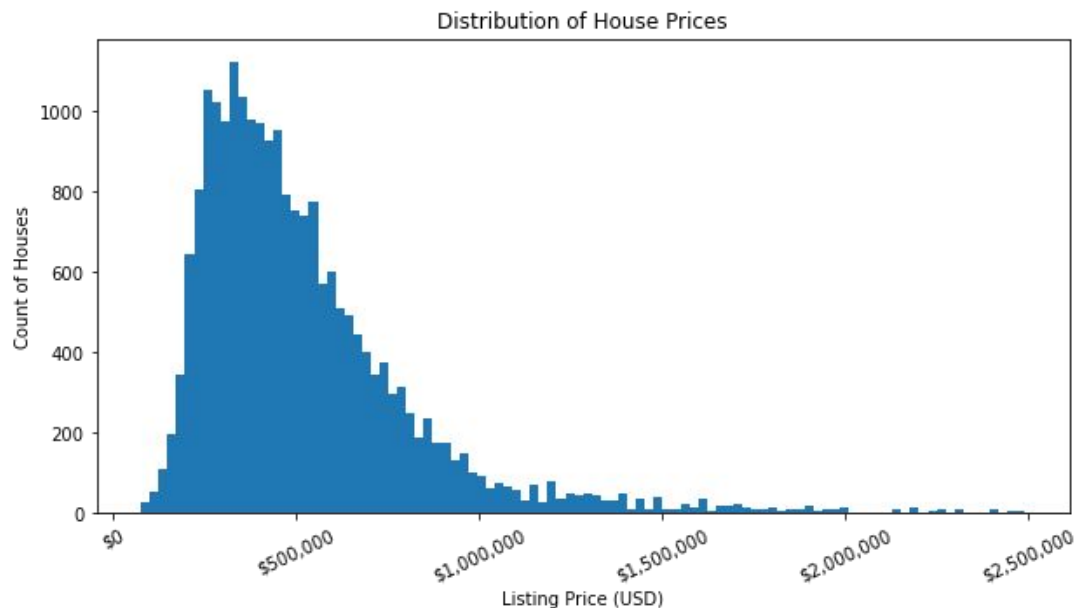
Validation score: 0.6056878401945676

Baseline Model

Train score: 0.4895269677689762

Validation score: 0.4935530672243642

Data After Adjustment



Final Model Features and Validation Score

```
selected_feats = ['bedrooms',  
                  'bathrooms',  
                  'sqft_living',  
                  'floors',  
                  'yr_built',  
                  'zipcode',  
                  'lat',  
                  'waterfront',  
                  'view',  
                  'condition',  
                  'grade',  
                  'long',  
                  'sqft_lot15',  
                  'sqft_basement',  
                  'sqft_living15']
```

Final Model Score: 0.7183857539053213

Any Questions?

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