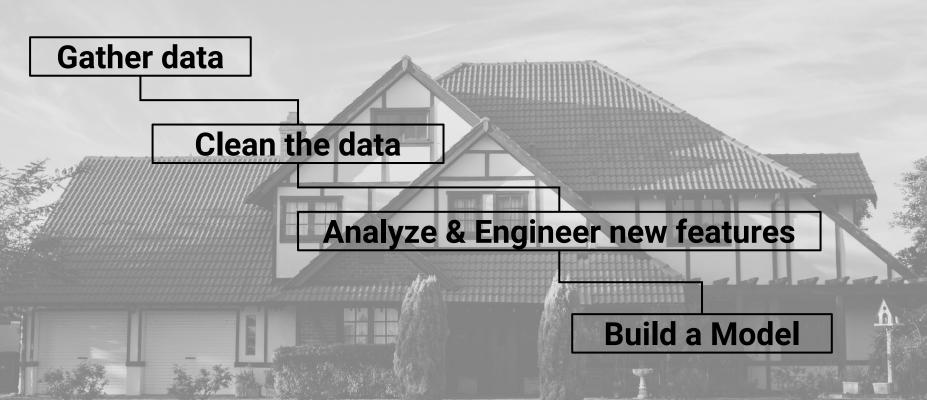


Our Mission

Increase user confidence in Zillow in Ames, Iowa

Build an appropriate model to estimate the price of a given home in Ames

The Process



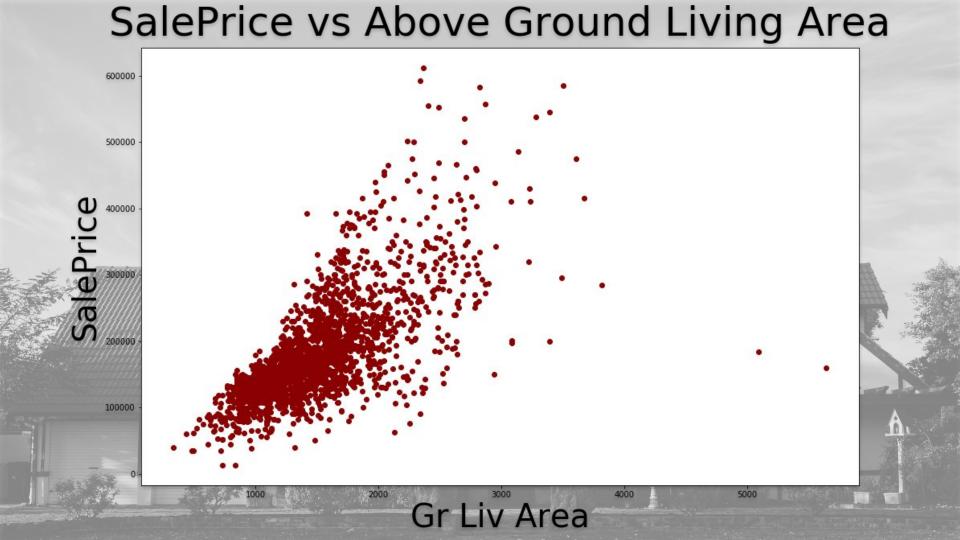
Distribution of Garage Year Built Garage Yr Blt

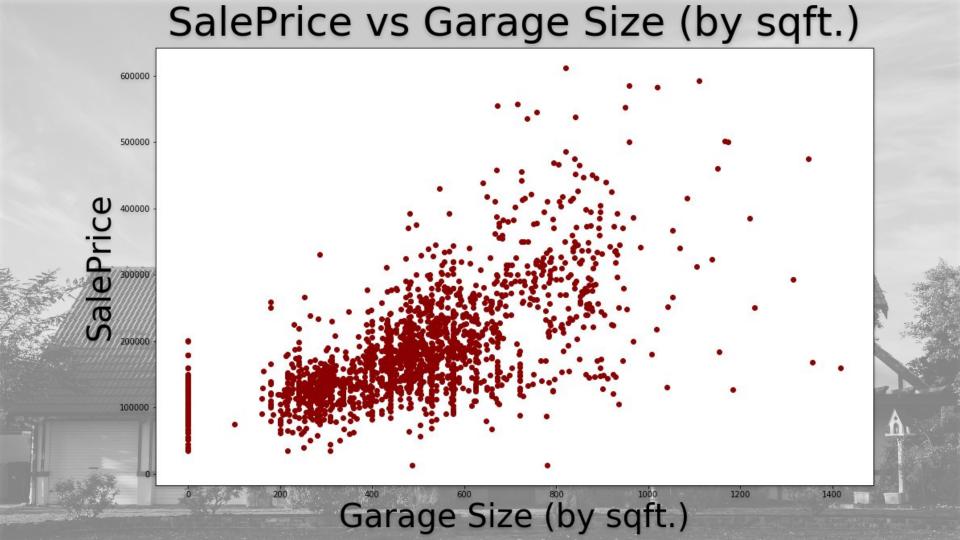
Distribution of Garage Year Built Garage Yr Blt

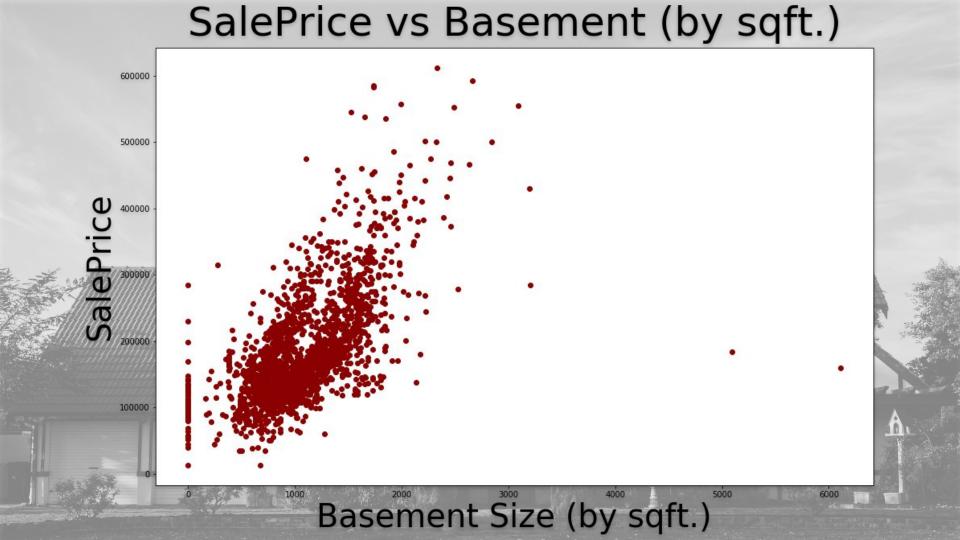


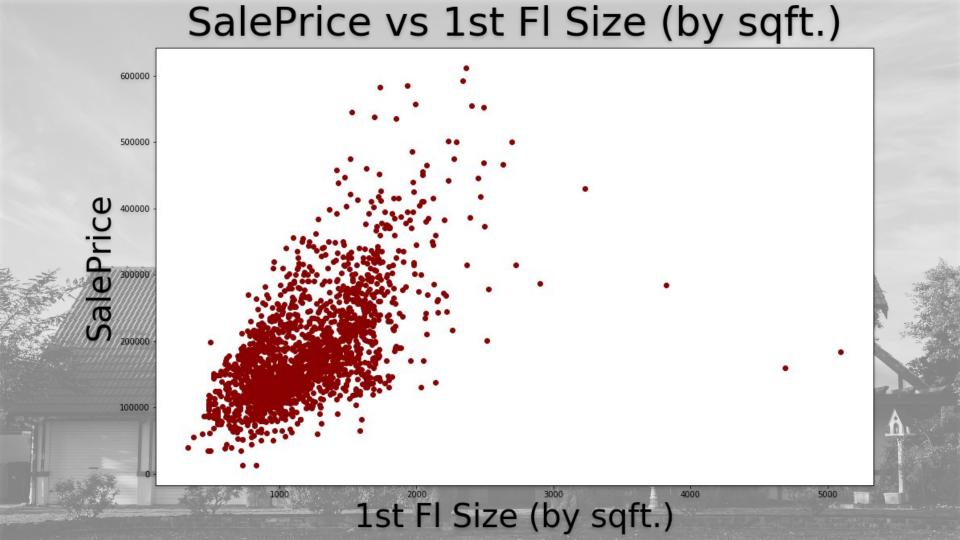
- Overall Quality
- Above Grade (Ground) Living Area
- Garage Size (by cars and in sqft.)
- Basement Size (in sqft.)
- 1st Floor Size (in sqft.)
- Number of Full Bathrooms

SalePrice vs Overall Quality of House 600000 500000 **Overall Quality**

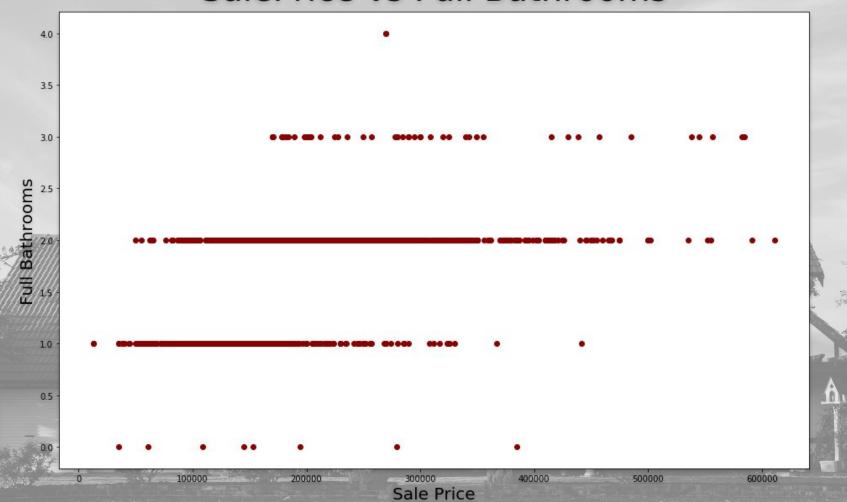








SalePrice vs Full Bathrooms



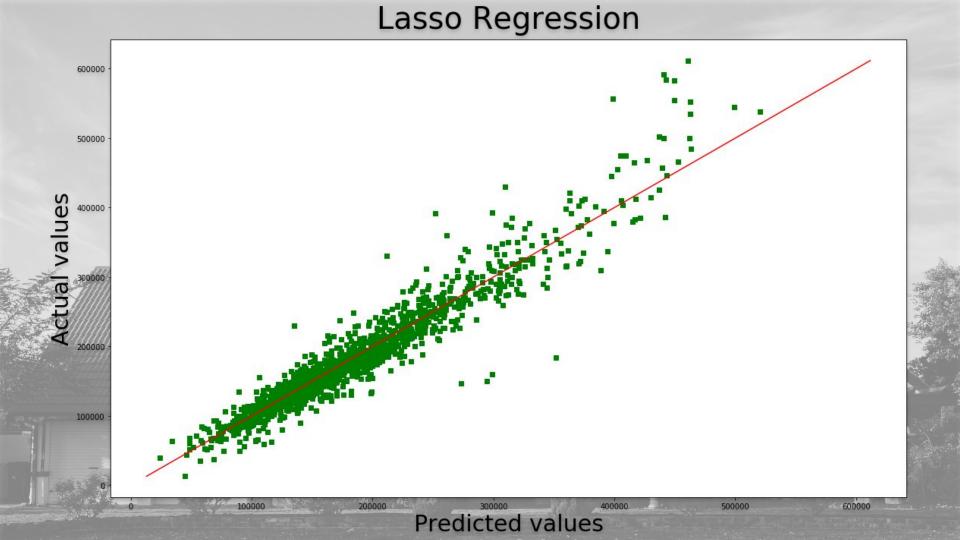
Modeling - Linear Regression

Cross Value Score	R2 Score
0.763333	0.810221

Modeling - Lasso Regression

Moderate Correlation Threshold (0.5)

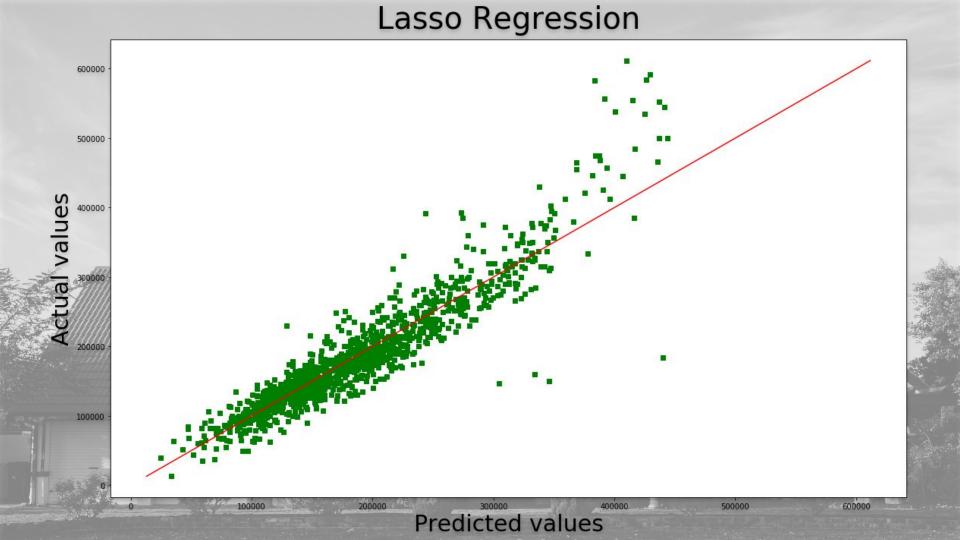
Cross Value Score	R2 Score
0.837509	0.912826



Modeling - Lasso Regression

Higher Correlation Threshold (0.6)

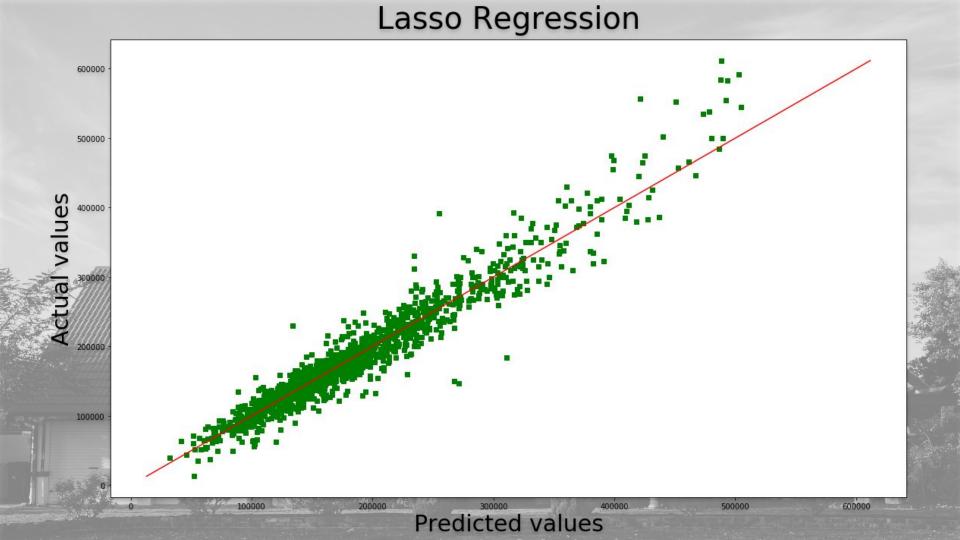
Cross Value Score	R2 Score
0.809514	0.885090



Modeling - Lasso Regression

Lower Correlation Threshold (0.4)

Cross Value Score	R2 Score
0.834811	0.916678



Findings

Top 5 Positive Influencers

- 1. Overall Quality & Above Ground Living Area in Sq.Ft.
- 2. Overall Condition & Above Ground Living Area in Sq.Ft.
- 3. Masonry Veneer Area in Sq.Ft. & Basement Full Bathrooms
- 4. Lot Area in Sq.Ft. & Height of Basement in inches
- 5. Year Built & Year Remodeled



