

HOUSE SALES IN KING COUNTY, USA





PROJECT GOAL

We will go through data exploration to identify most important features and empirically study how the various factors influence the house prices.



HOUSE SALES IN KING COUNTY, USA DATASET

This dataset contains house sale prices for King County, which includes Seattle, and includes 21,613 rows and 21 columns such as price, grade, year built among other things.



PROCESS DATA

01

Explore Dataset

02

Pre-processing Data

03

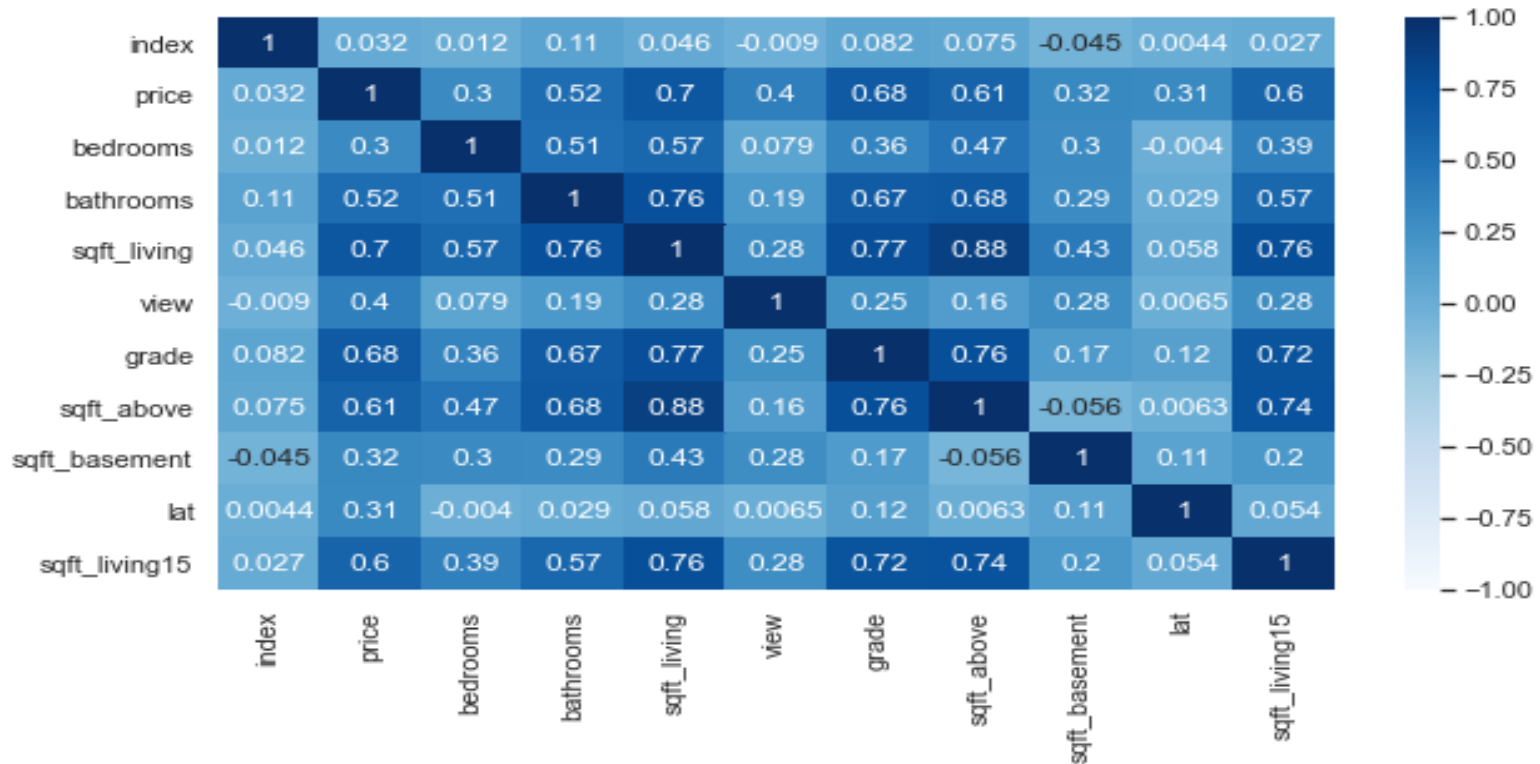
Analysis and Visualization

04

Modeling

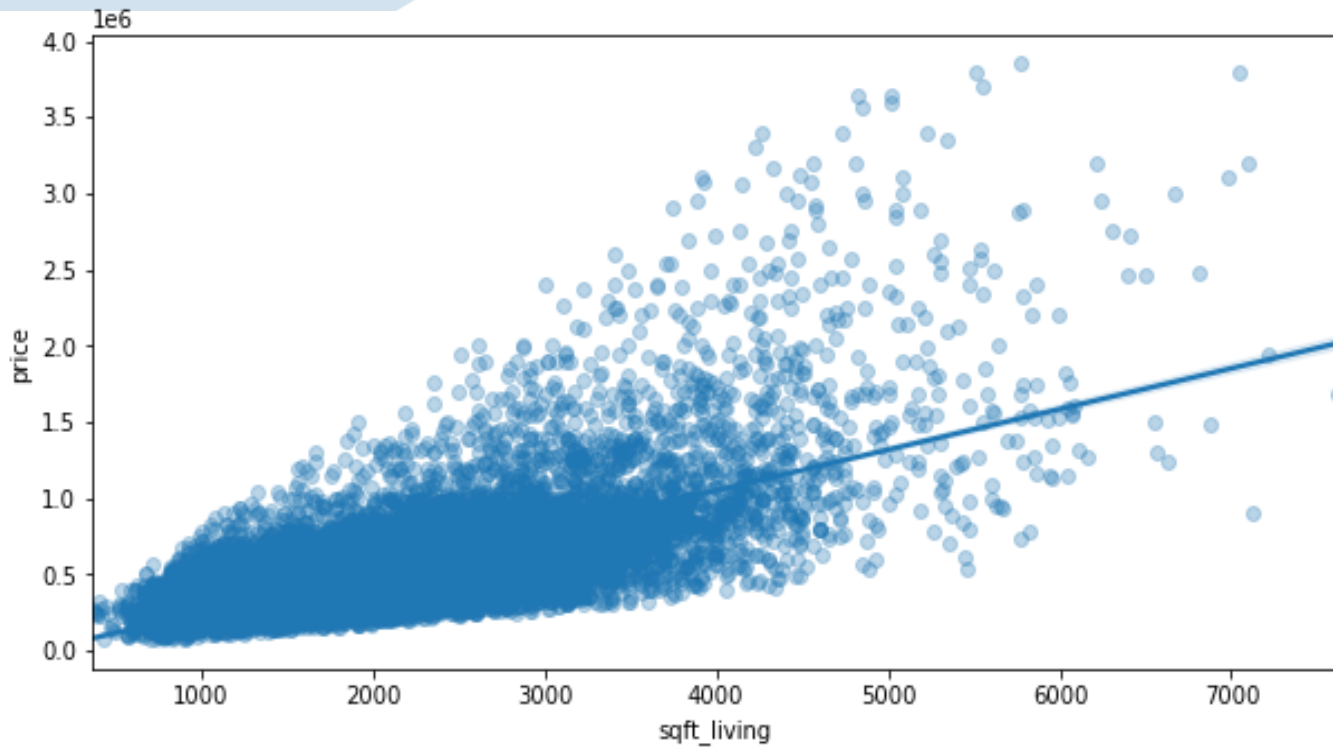


DATA VISUALIZATION



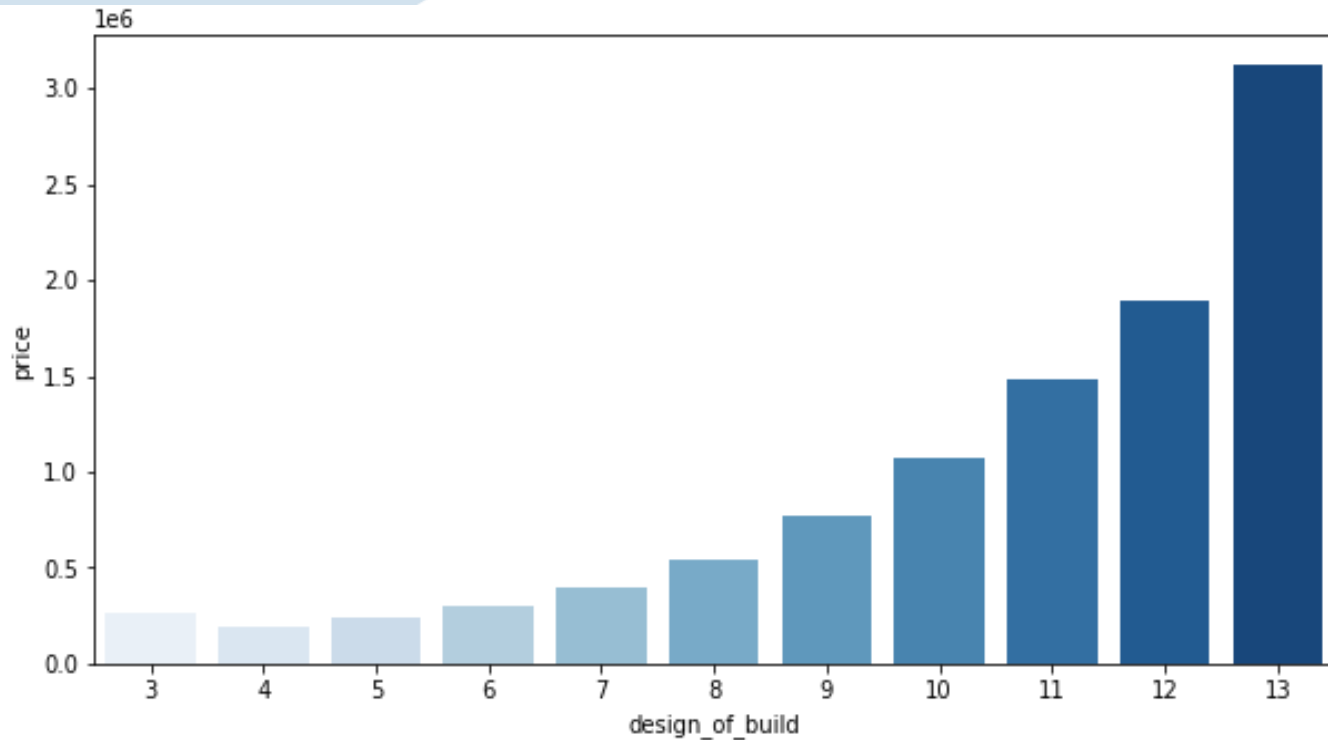


DATA VISUALIZATION



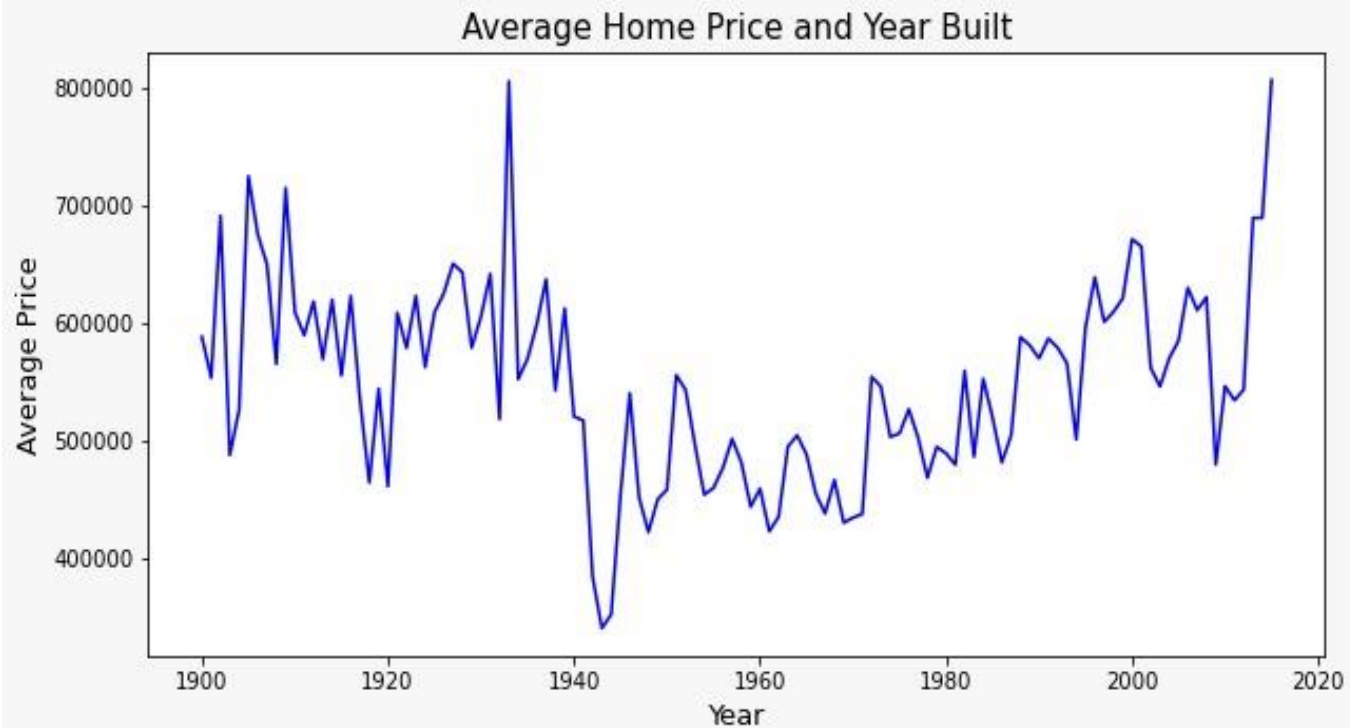


DATA VISUALIZATION





DATA VISUALIZATION





Modeling

01

LinearRegression

R2= 0.6976360812207014

Rmse = 189121.2697053251

02

Lasso

R2= 0.6976361846682814

Rmse = 189121.2986867042

03

Ridge

R2= 0.6976361039405464

Rmse = 189121.26976381202



Modeling

04

Polynomial

$R^2=0.7878648040299494$

Rmse = 154307.90303156493

05

GradientBoosting Regressor Model

$R^2= 0.8530941308569066$

Rmse = 74986.42924142526



Test Modeling

- GradientBoostingRegressor Model

R2= 0.8618223385055157
Rmse= 128155.87399722042



THANKS...