

HOUSE SALES IN KING COUNTRY, 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 COUNTRY, USA DATASET

This dataset contains house sale prices for King Country, 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

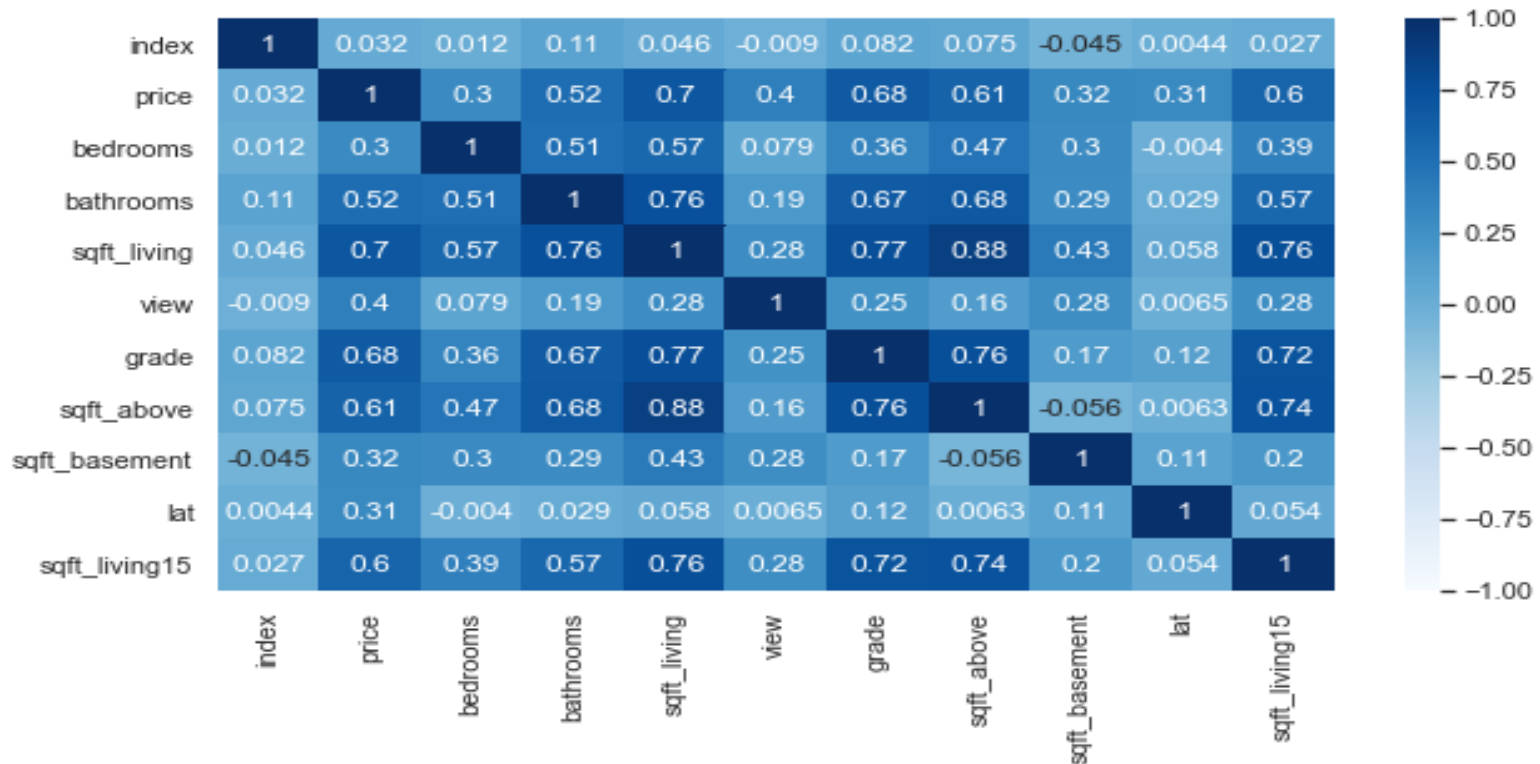
Visualization

04

Modeling

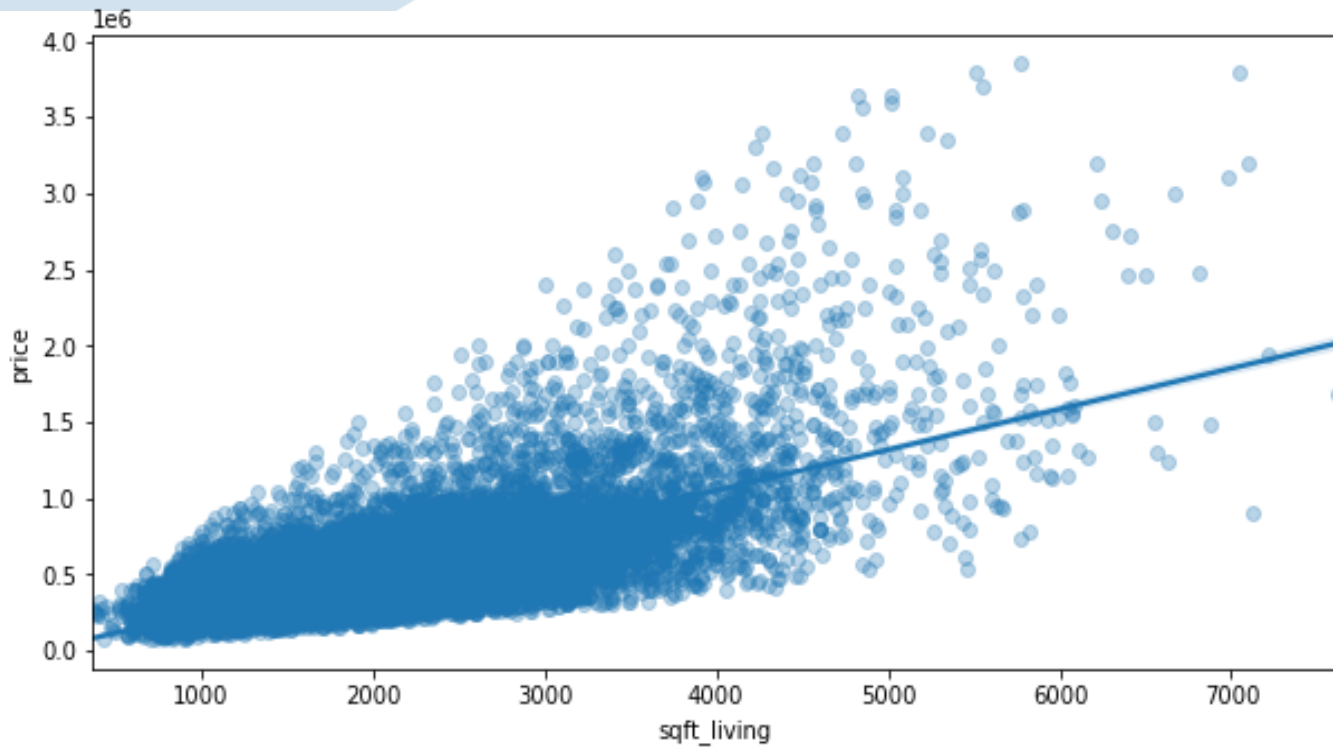


DATA VISUALIZATION



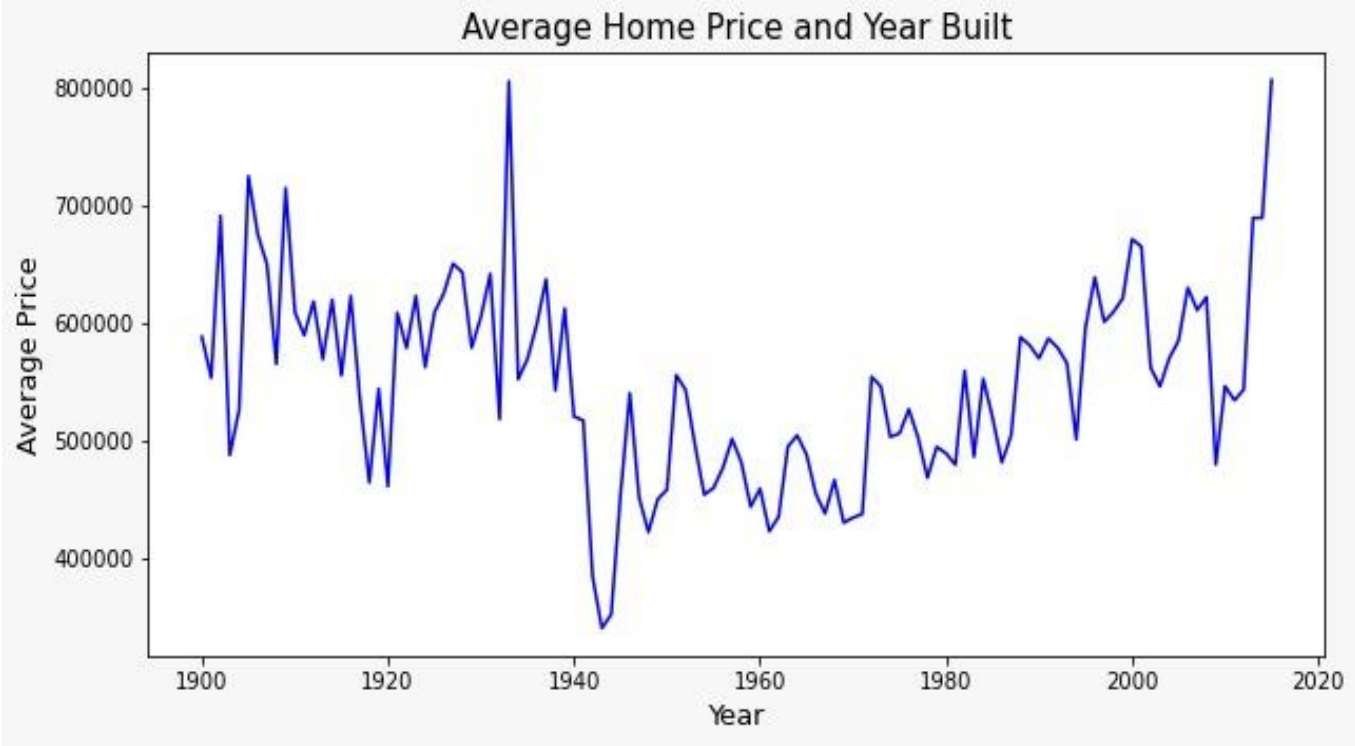


DATA VISUALIZATION





DATA VISUALIZATION





Modeling

01

LinearRegression

$R^2 = 0.6976360812207014$

$Rmse = 189121.2697053251$

02

Lasso

$R^2 = 0.6976361846682814$

$Rmse = 189121.2986867042$

03

Ridge

$R^2 = 0.6976361039405464$

$Rmse = 189121.26976381202$



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...