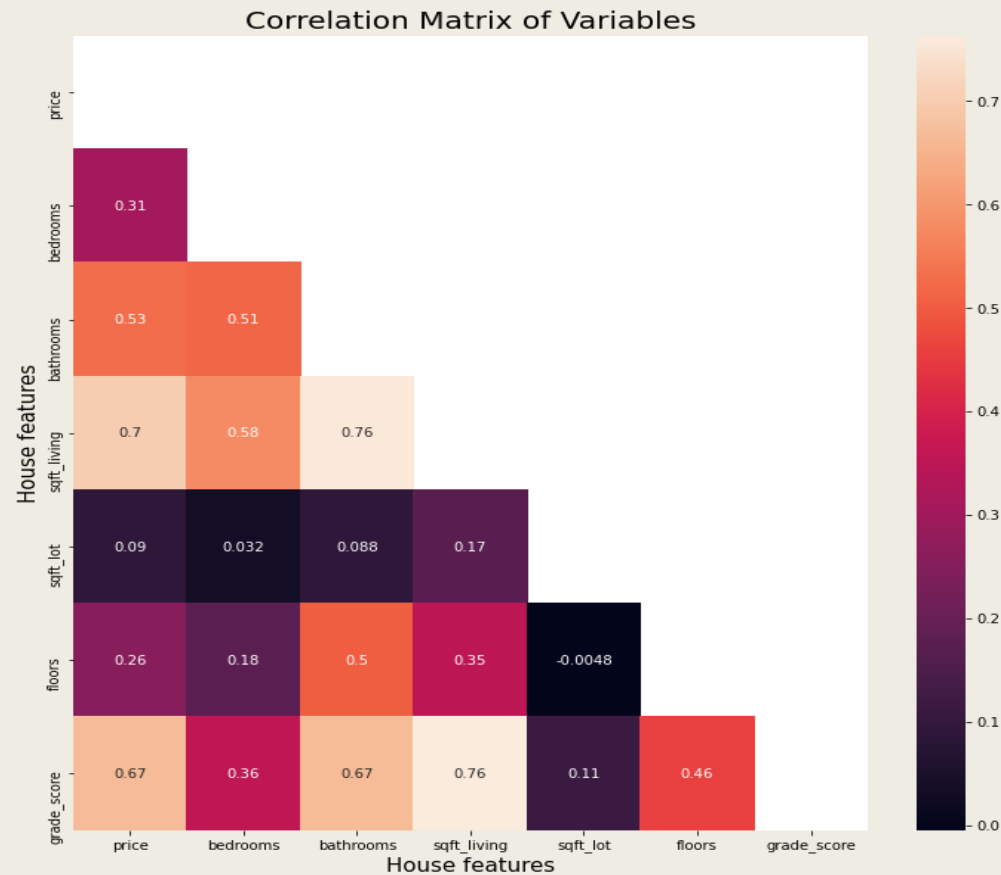


HOUSE-PRICE PREDICTION REGRESSION ANALYSIS.

AUTHORS: JAMES MAIKARA, TREVOR MWANGI, FRANK MANDELE

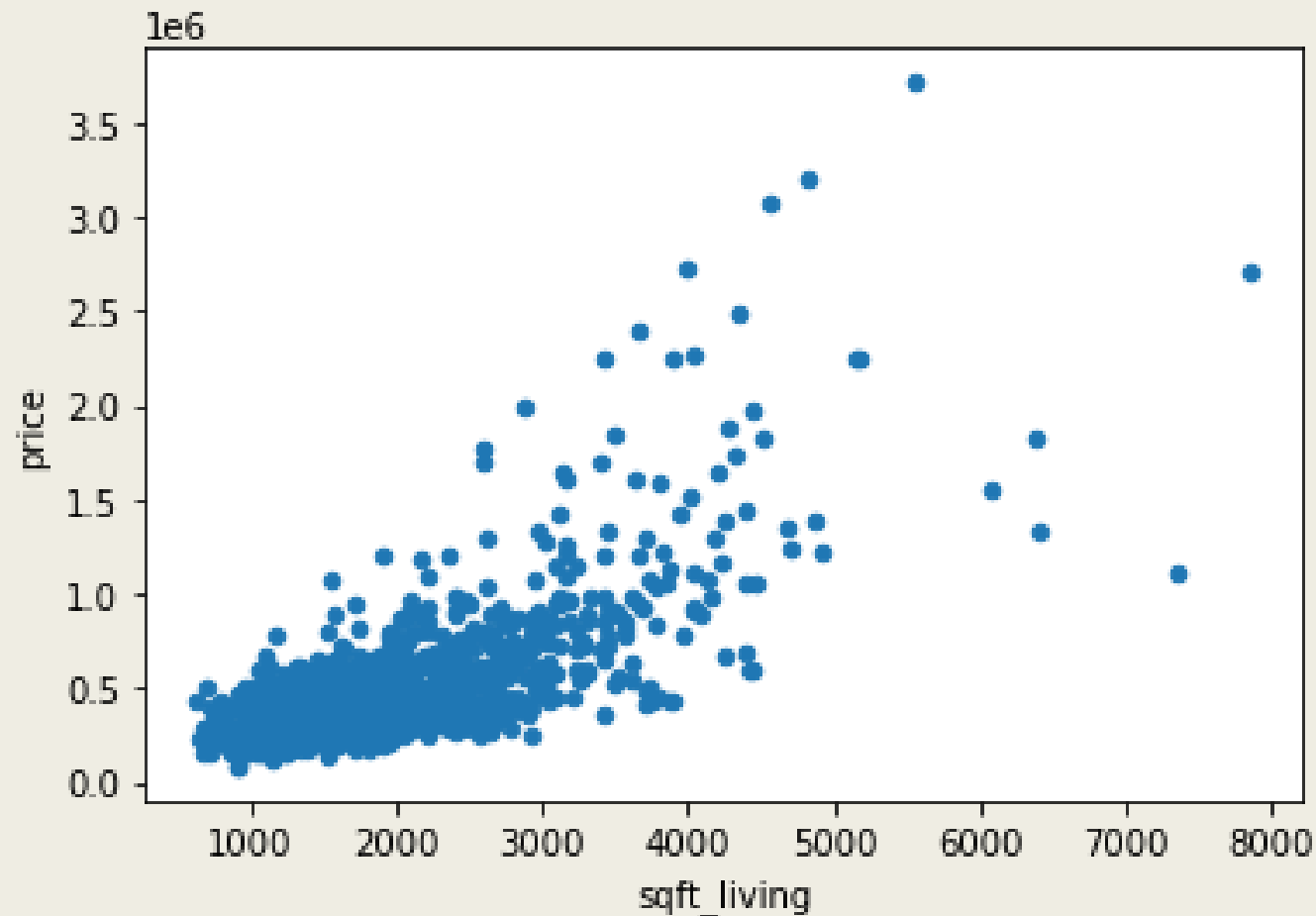


Relational Analysis

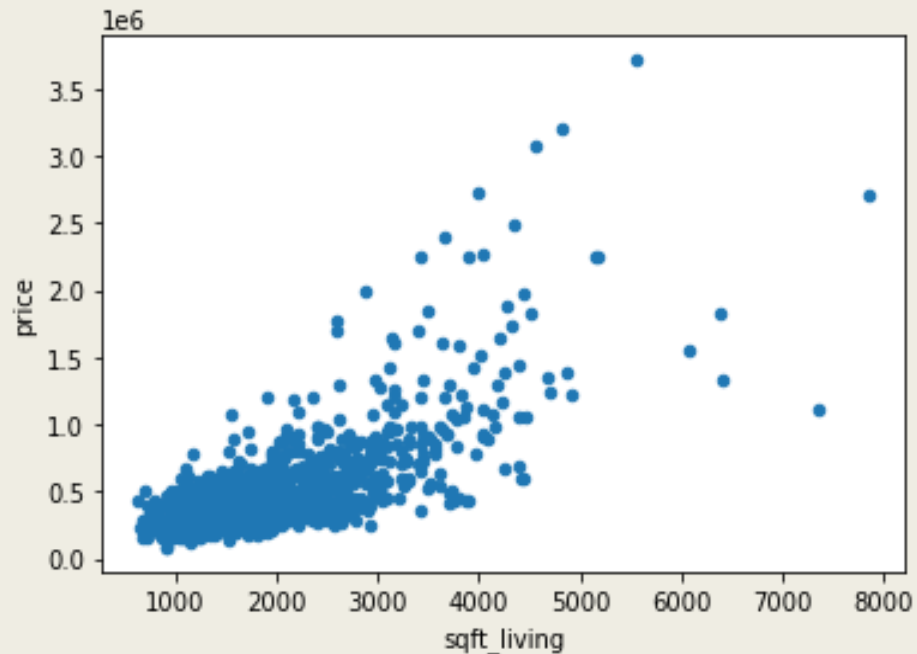


From the correlation coefficients, sqft_living and grade_score proved to be promising predictor variables for price.

Plotting the Predictor(sqft_living) vs. Price

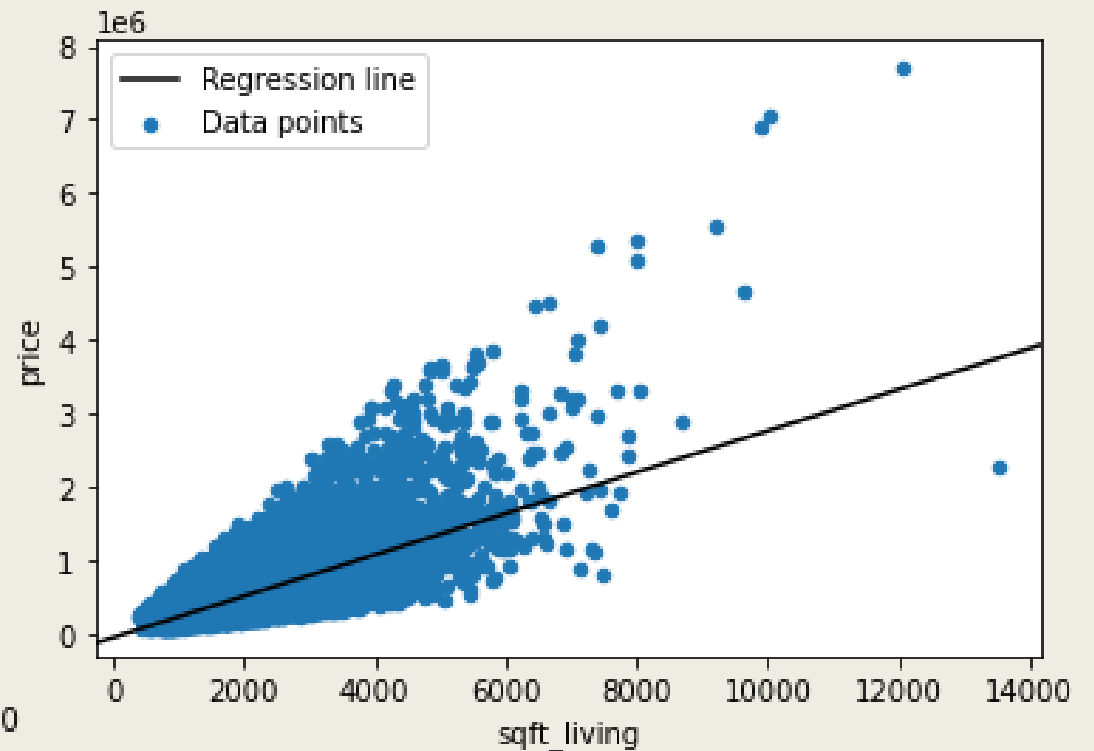
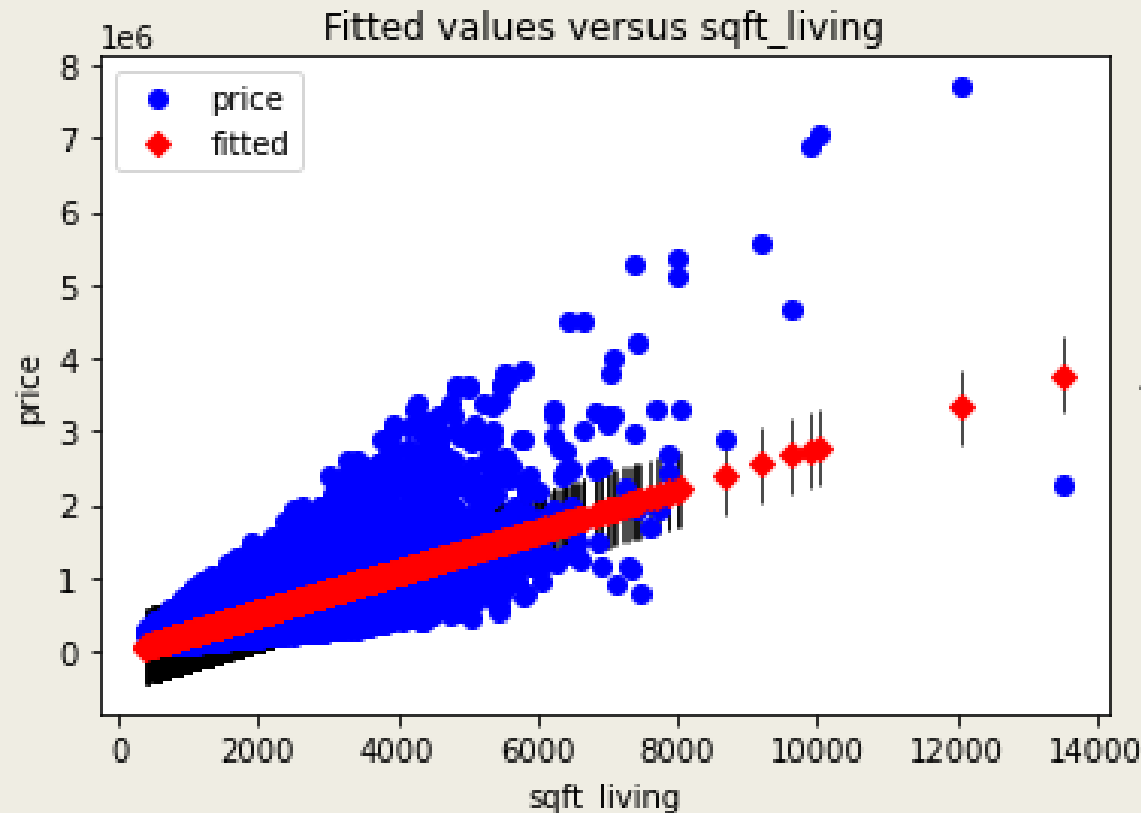


Plotting the Predictor(sqft_living) vs. Price



- Sqft_living portrays a relationship that's seemingly linear, hence suitable for our model.

Visualization of actual values vs predicted values



Model1 and Model2 comparisons in terms of MAE and R2 Metrics

From the two visualizations, model 2 has a higher R2 and lower mean squared error than the first model, which might be an indication of an improvement in our model

