

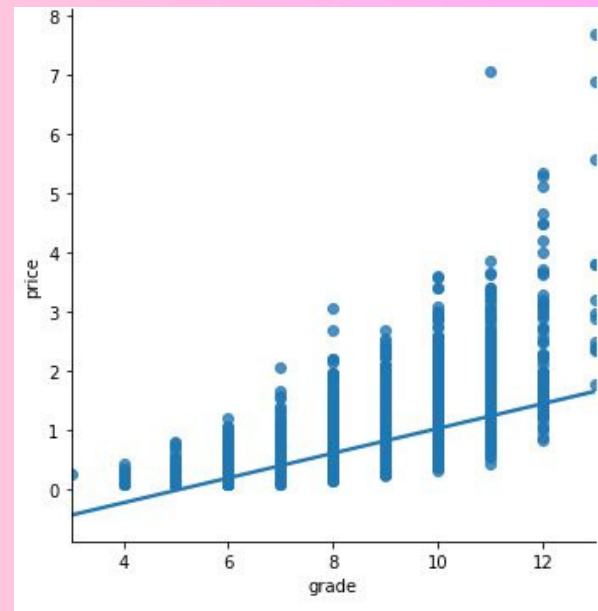
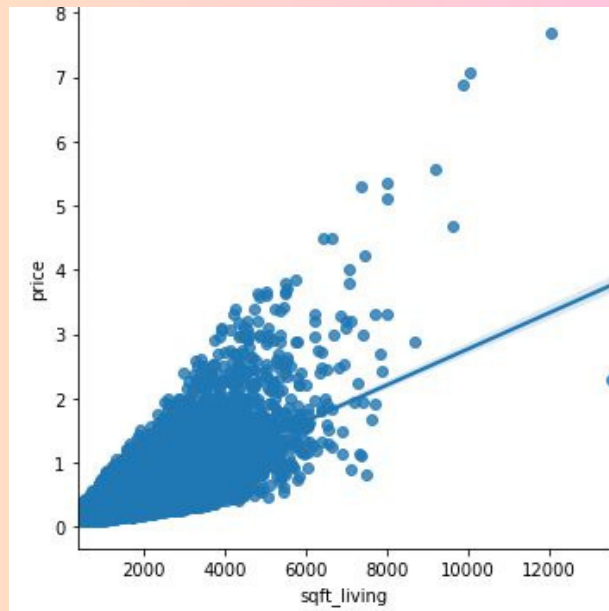
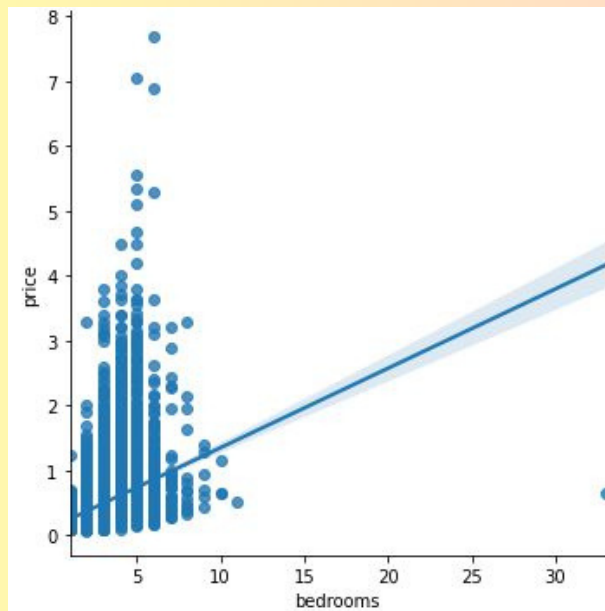
# Phase 2 Project Moringa School

BY CHERUIYOT SHADRACK

# Project Summary

- Trying to provide value in the real estate space
- Extract valuable information from housing data
- Can we predict how much a home will sell for based on factors such as its square footage, year it was built, etc?

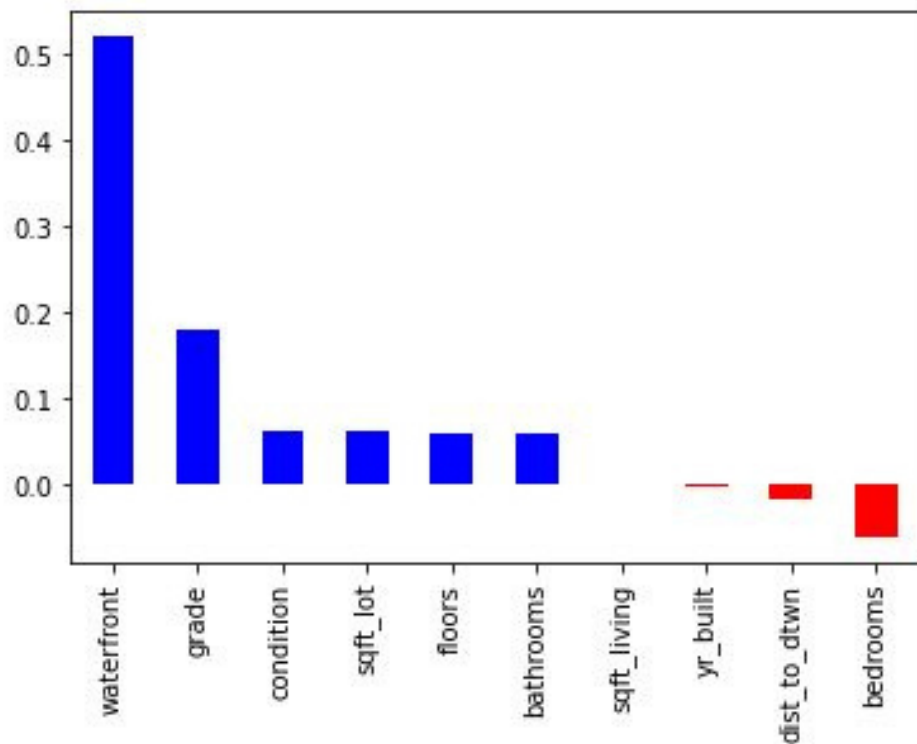
# Correlation visualization



# Prediction Model Results

## Home Features Influence on Price

Model Feature Influence



Features

- Red = negative correlation
- Most influential features on our model?
- Waterfront, Grade, and Square Footage of the Lot
- Our final model averages approximately 27% off from actual retail sell value
- Performance improved with our addition of “Distance to Downtown” data engineered feature

# Recommendations

- Increase “Grade”
- Consider adding a bathroom to your home
- Avoid adding new bedrooms