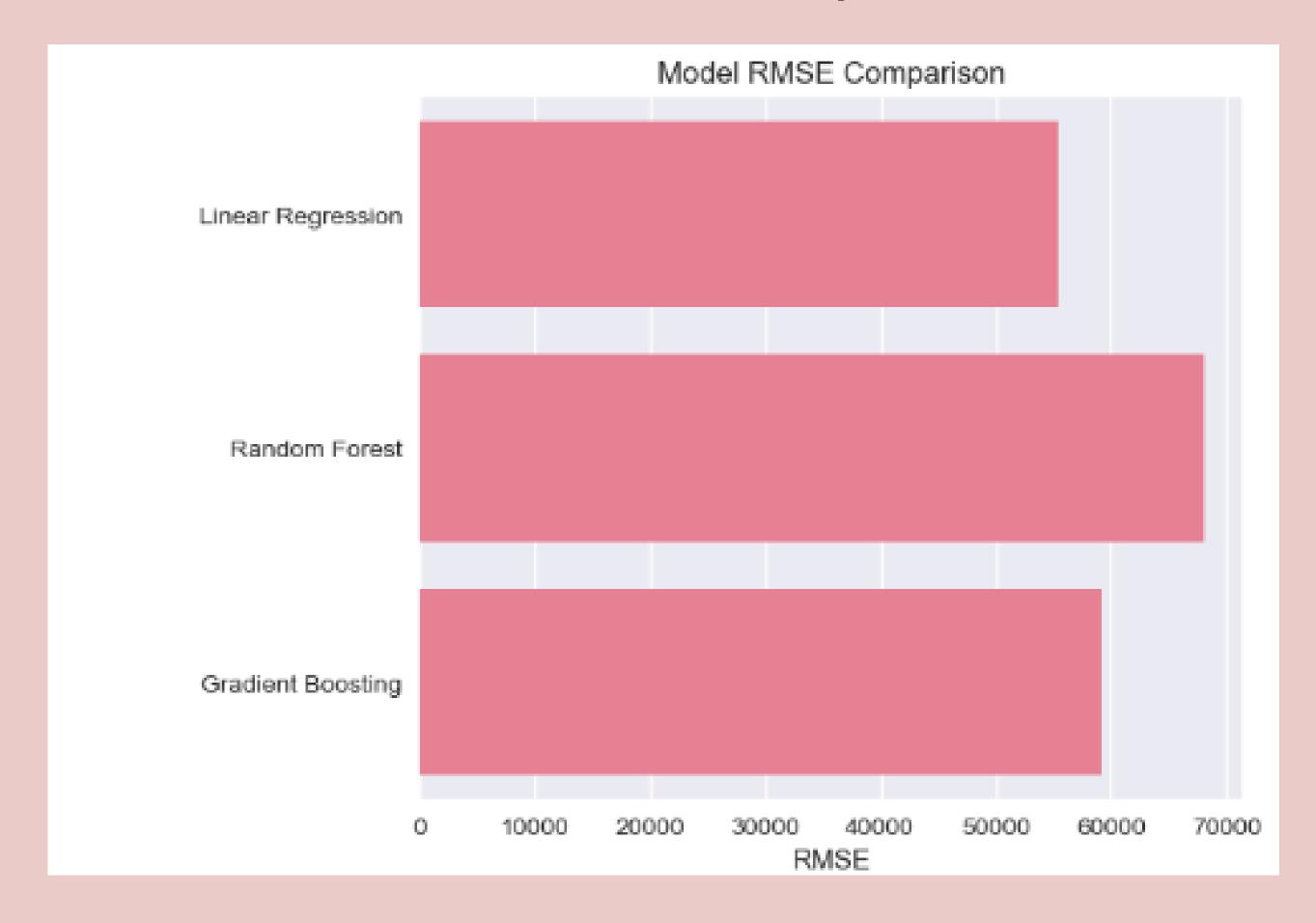
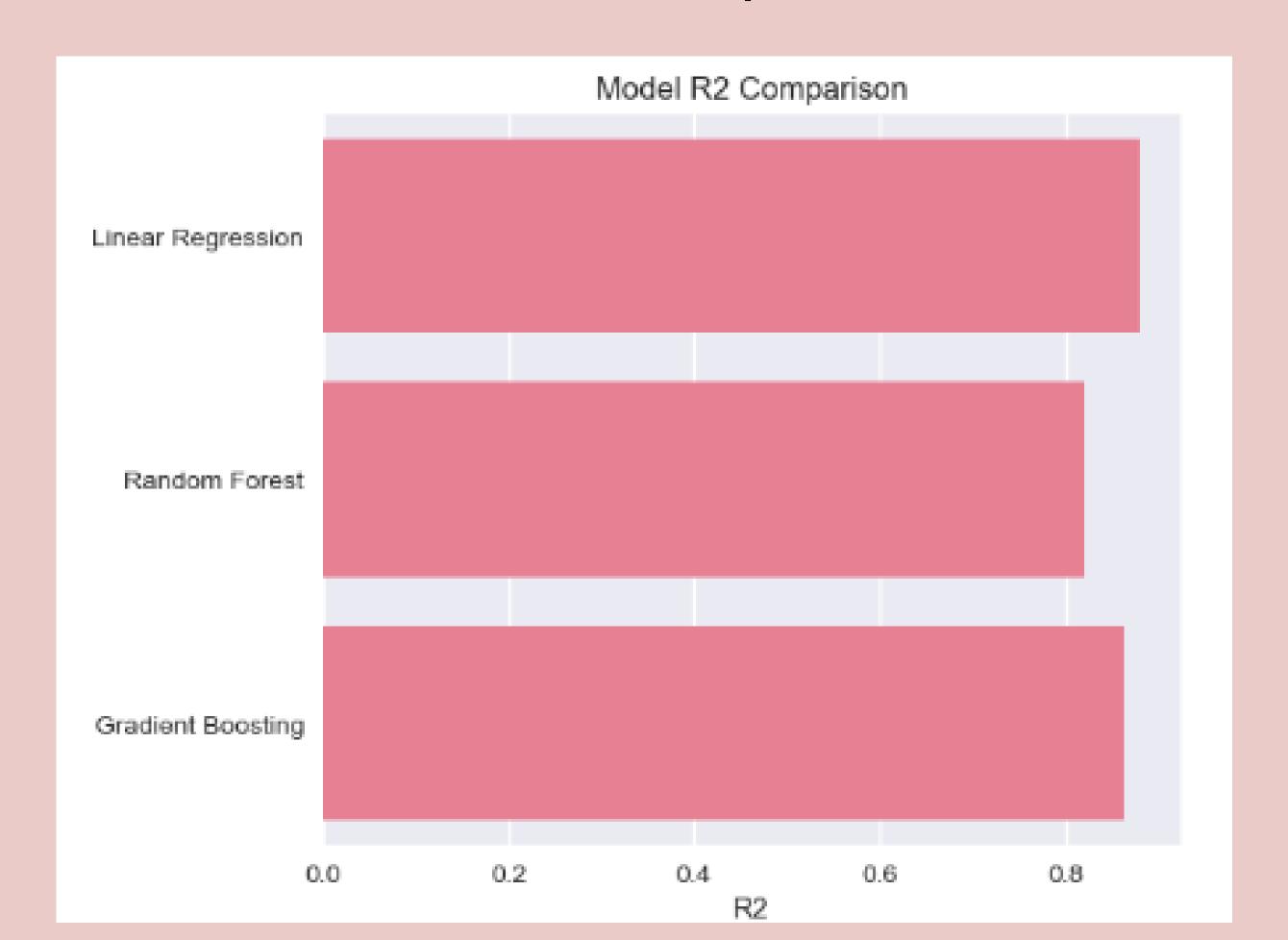


Model RMSE Comparison



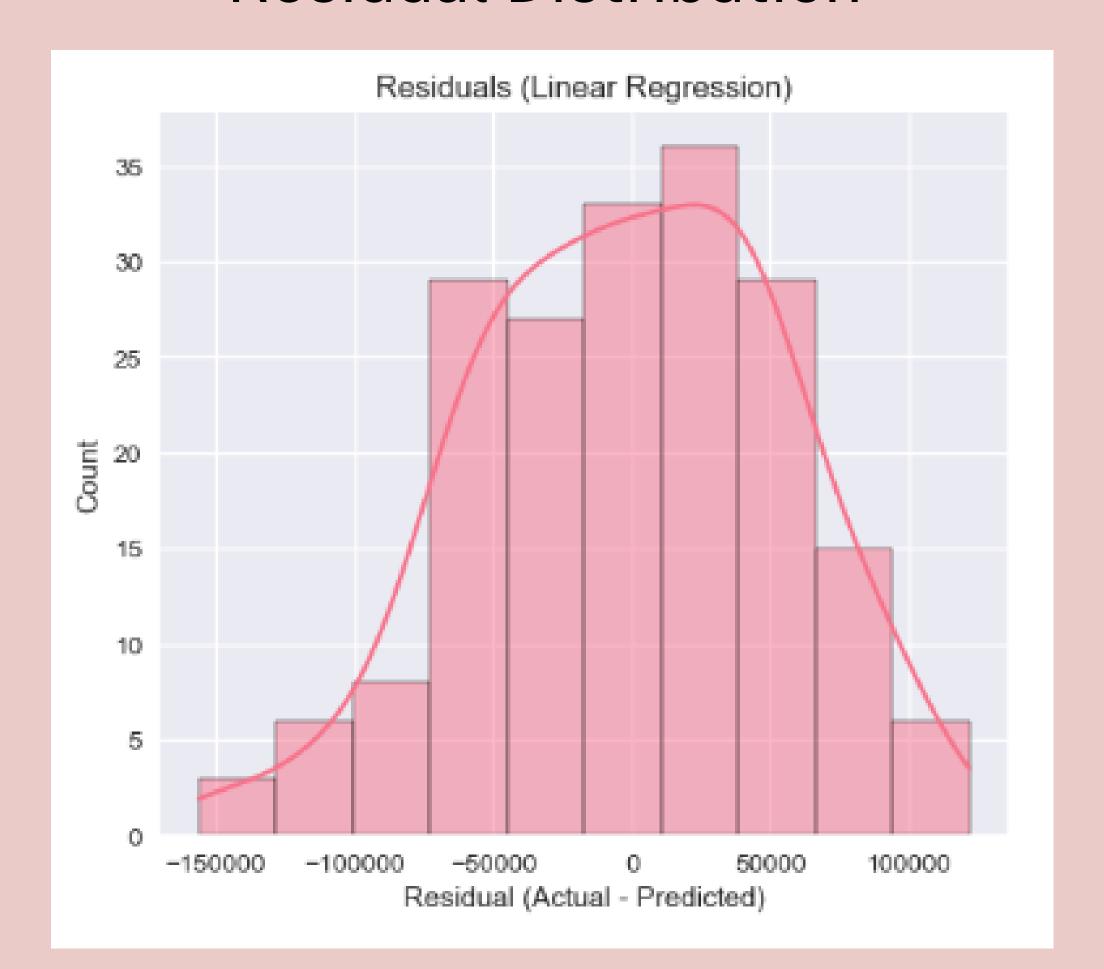
Model R² Comparison



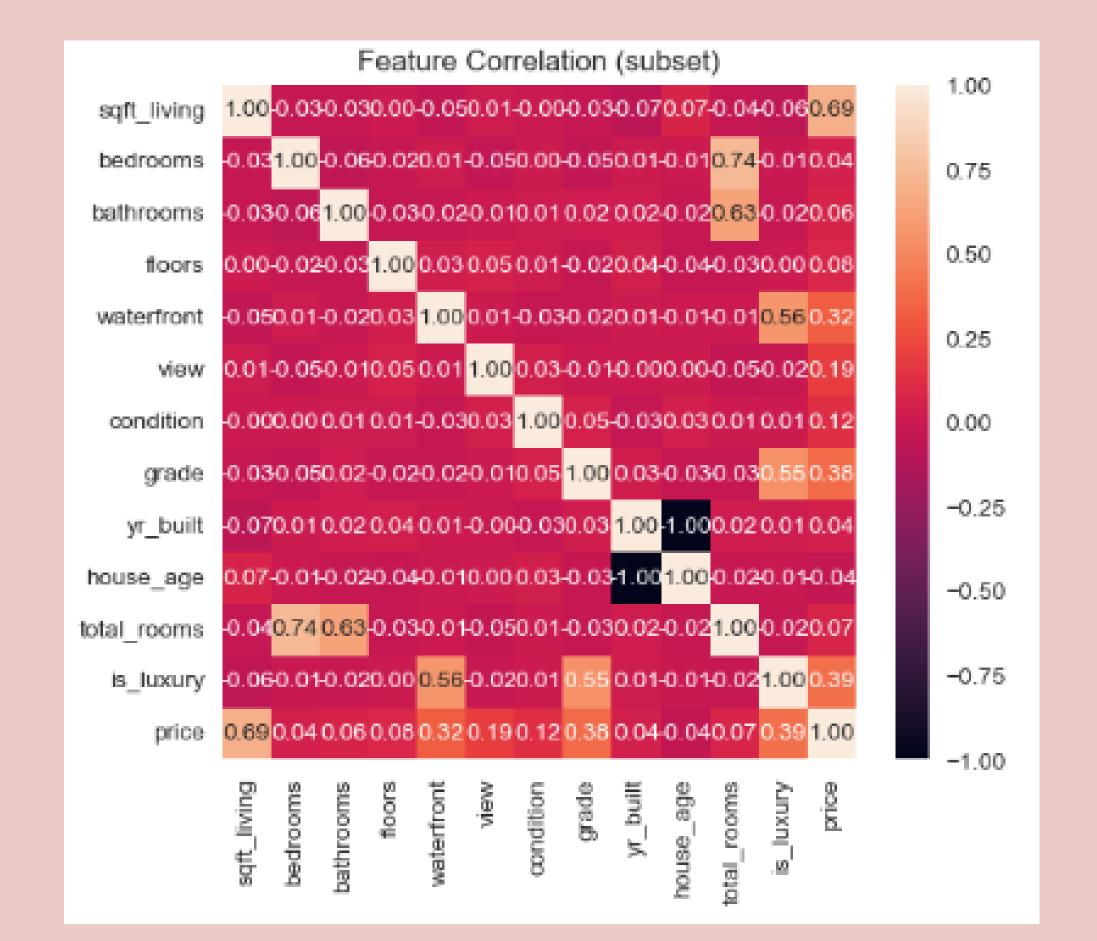
Actual vs Predicted Prices



Residual Distribution



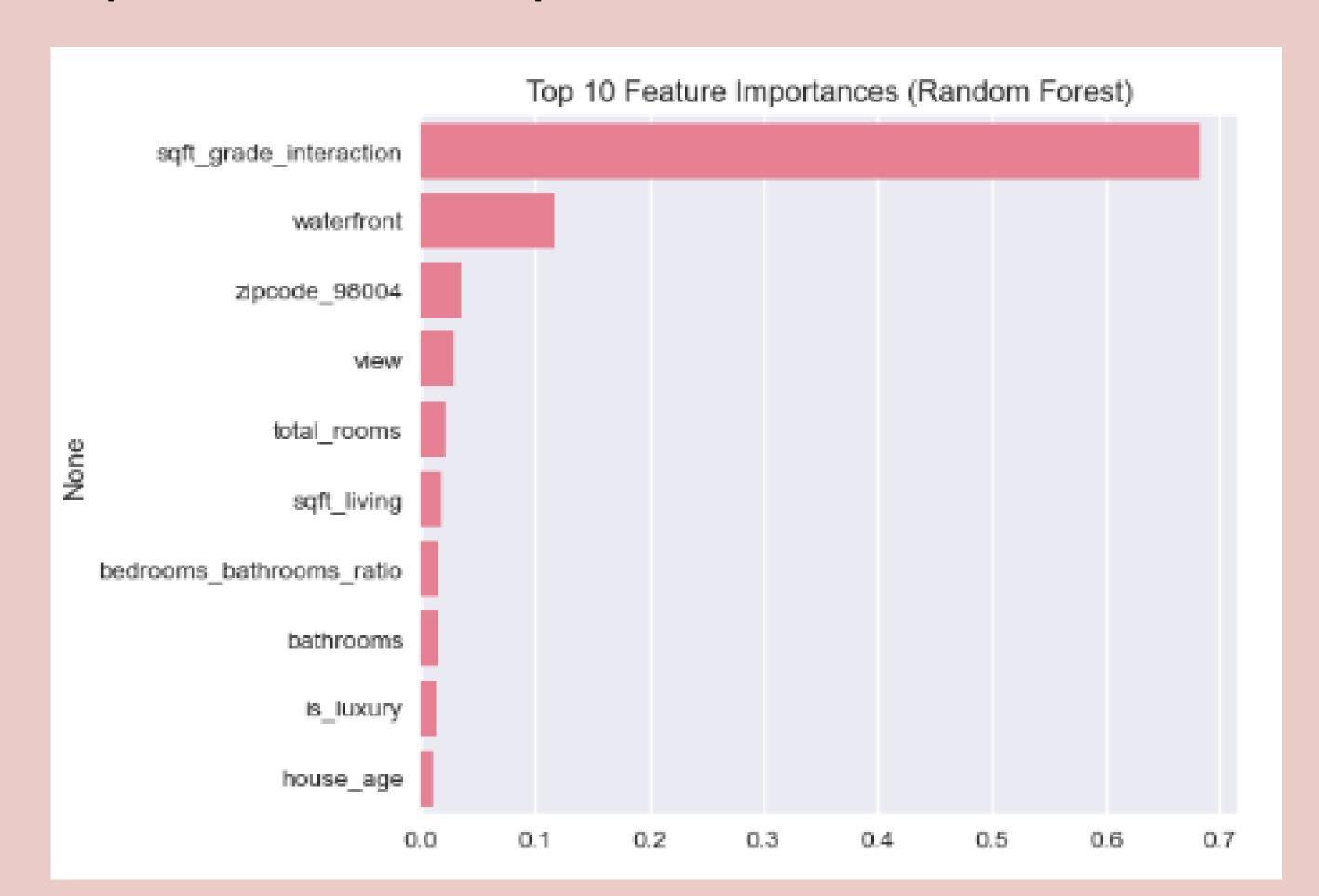
Feature Correlation Heatmap



Price Distribution



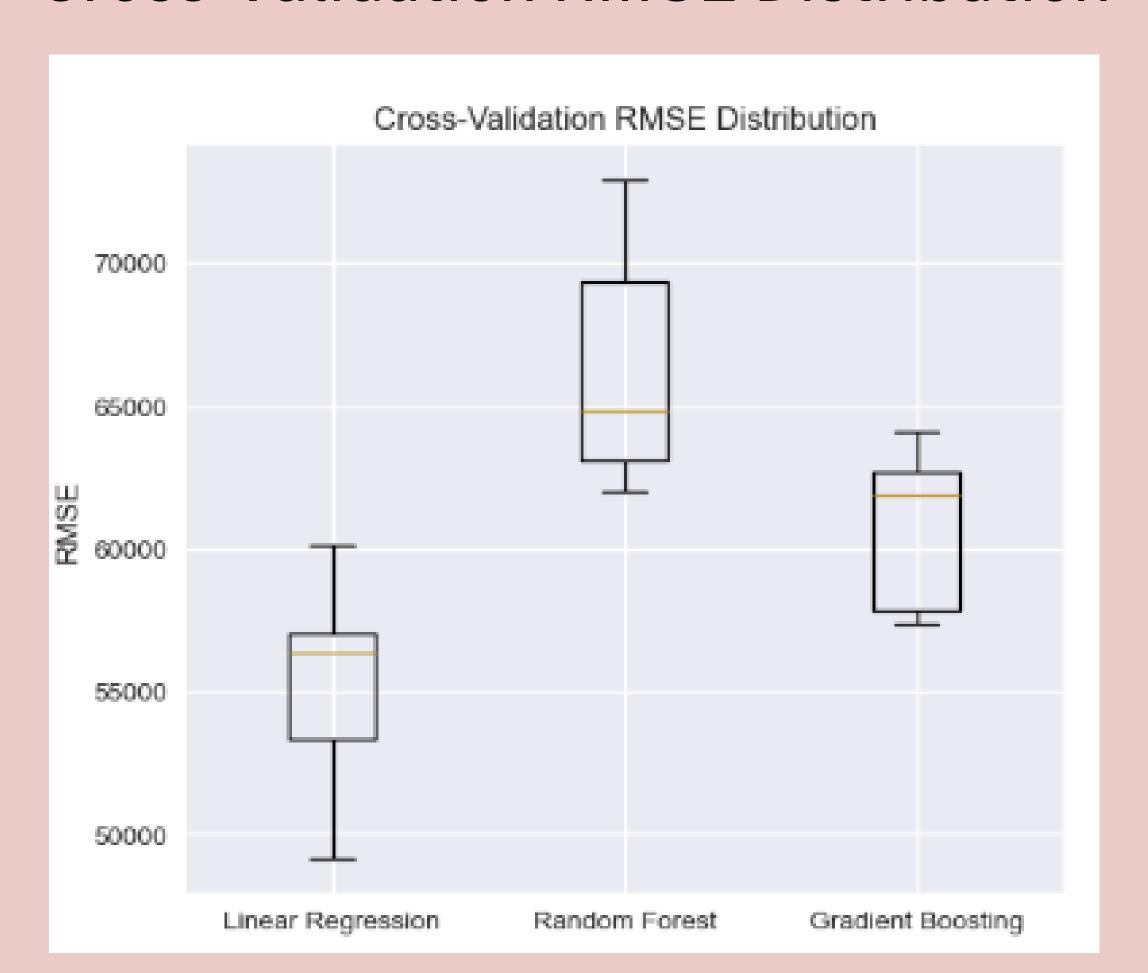
Top 10 Feature Importances (Random Forest)



Price vs. Square Footage



Cross-Validation RMSE Distribution



```
FINAL RESULTS SUMMARY
Linear Regression:
 • RMSE: $55,452.22

    MAE: $45,526.63

    R<sup>2</sup>: 0.8804

    Best Parameters: {'poly__degree': 1, 'selector__k': 10}

Random Forest:
 • RMSE: $68,008.51

    MAE: $55,045.75

    R<sup>2</sup>: 0.8200

 Best Parameters: {'max_depth': 10, 'min_samples_split': 5, 'n_estimators': 100}
Gradient Boosting:

    RMSE: $59,102.51

 • MAE: $48,118.66

    R<sup>2</sup>: 0.8641

 Best Parameters: {'learning_rate': 0.1, 'max_depth': 3, 'n_estimators': 100}
BEST MODEL: Linear Regression
 └─ RMSE: $55,452.22
```