Week 5 – Model Evaluation Report

Executive Summary
We built a predictive model for house prices using features such as lot size, quality rating, living area, garage size, and year built.

• **Mean Absolute Error (MAE):** $25,887
• **Root Mean Squared Error (RMSE):** $41,348
• **R²:** 0.777

The model explains ~78% of variation in house prices. Results show that **Overall Quality** and **Living Area** are the strongest drivers of price, while garage size and year built add smaller effects.

Feature Impact

Feature Impact on House Price (Linear Regression)