Model Performance Report: Extra Trees

MODEL DETAILS:

- Algorithm: Extra Trees
- Training Samples: 141
- Test Samples: 36
- Features: 12

PERFORMANCE METRICS:

- Root Mean Square Error (RMSE): 10.7049
- R² Score: 0.6169
- Mean Absolute Error (MAE): 5.1281
- Mean Square Error (MSE): 114.5942

INTERPRETATION:

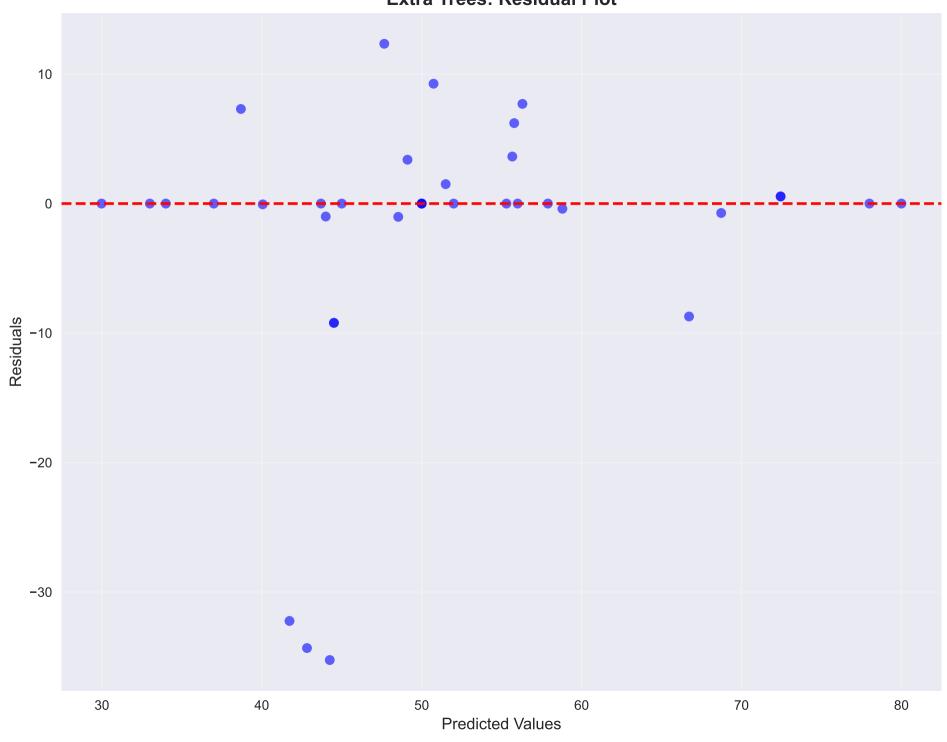
- R² Score of 0.6169 means the model explains 61.69% of the variance
- RMSE of 10.7049 indicates average prediction error
- Lower RMSE and MAE values indicate better model performance
- R² closer to 1.0 indicates better model fit

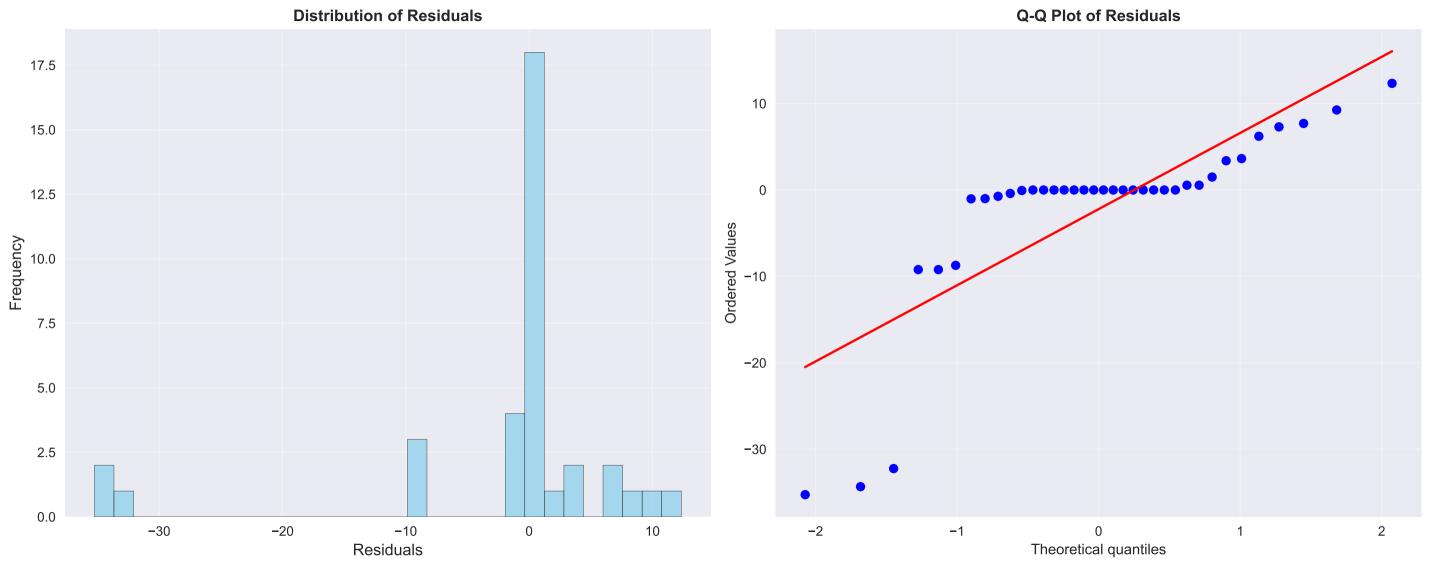
DATASET INFORMATION:

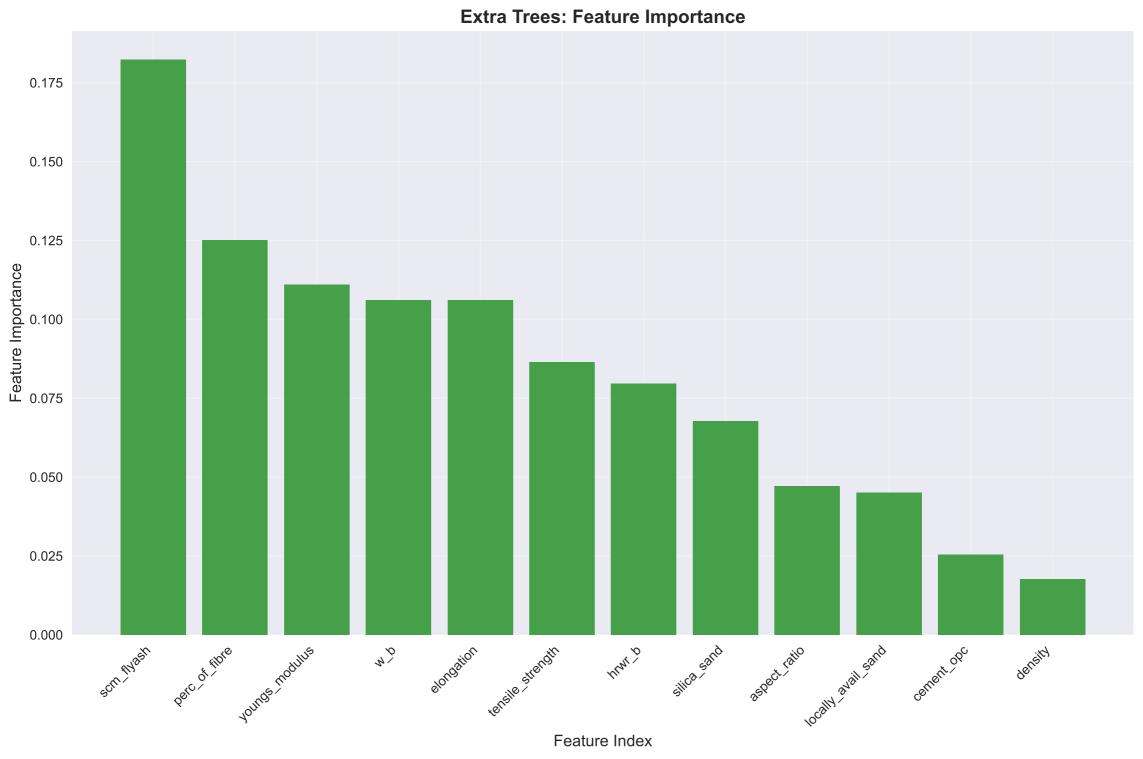
- Target Variable: Last Column
- Problem Type: Regression
- Cross-validation: 3-fold GridSearchCV used for hyperparameter tuning

Extra Trees: Actual vs Predicted Values $R^2 = 0.6169$ Predicted Values
0 Predicted Values Actual Values









Extra Trees: Performance Metrics Summary 120 114.5942 100 80 Error Value 40 20 10.7049 5.1281 0 RMSE MAE MSE