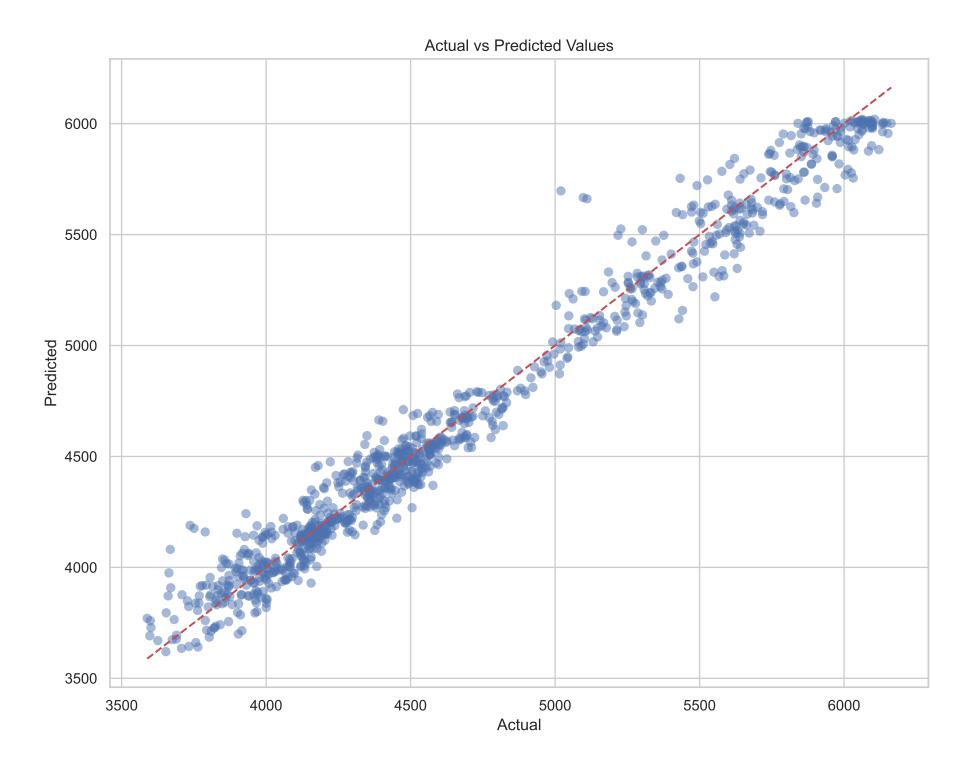
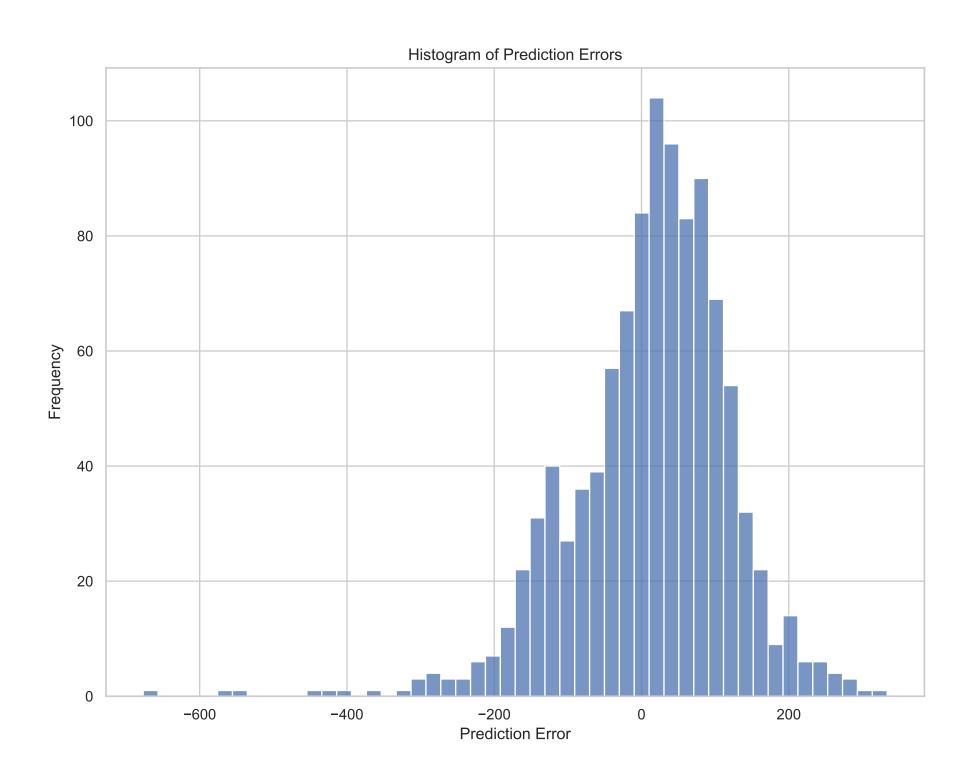
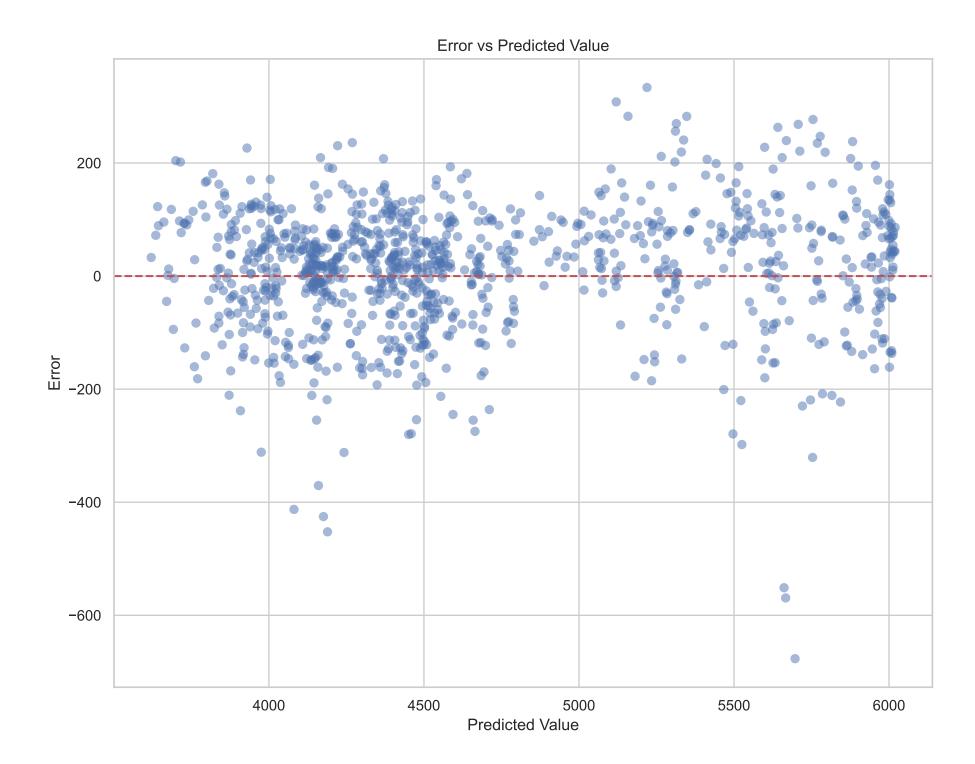
# E-Mini S&P 500 (ES=F) Model Report

Model: Ridge

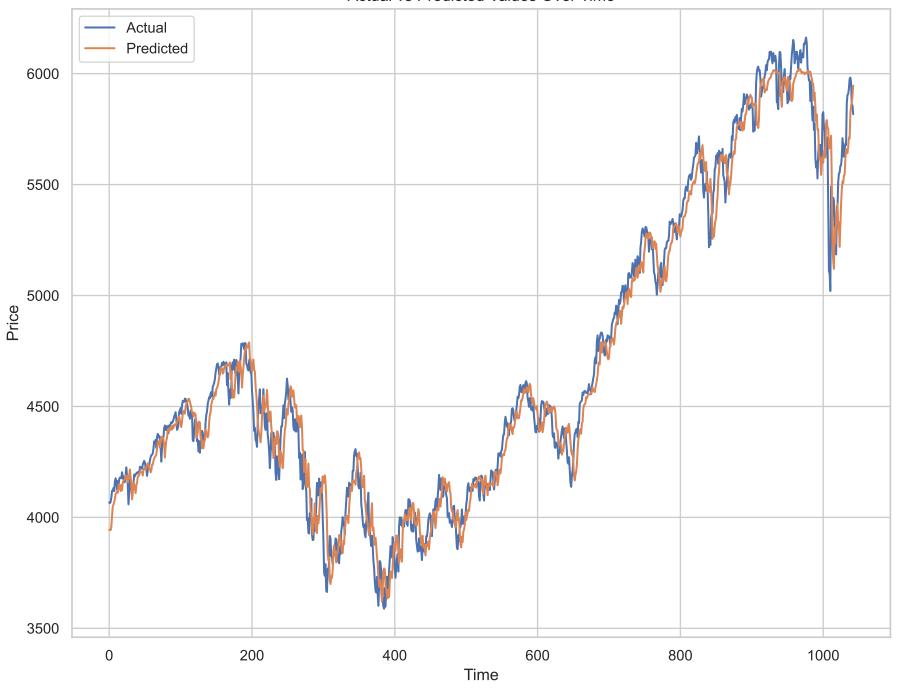
Generated on 2025-06-01 10:50:58







## Actual vs Predicted Values Over Time



#### **Model Evaluation Metrics**

RMSE : 109.1395

MAE : 83.0722

R2 : 0.9747

## **Metrics Explanation:**

RMSE: Root Mean Squared Error - Measures the average magnitude of errors in predic

MAE: Mean Absolute Error - Average absolute difference between predicted and actual

R2: R-squared - Proportion of variance in the dependent variable predictable from the in

### **Metric Selection Justification:**

RMSE was chosen as the primary metric for model selection because:

- 1. It penalizes large errors more heavily than MAE, which is important in financial foreca
- 2. It's in the same units as the target variable, making it interpretable
- 3. It's widely used in time series forecasting and financial applications