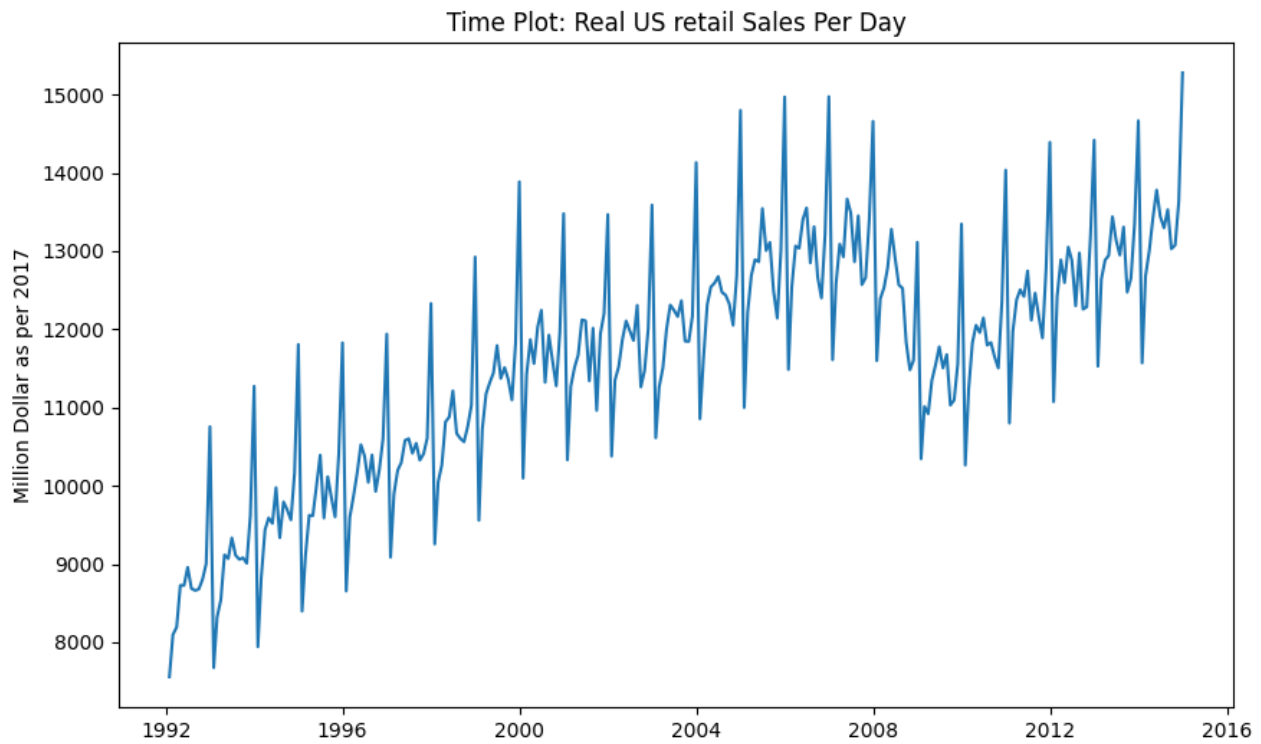# Retail Sales Time Series Forecasting Results
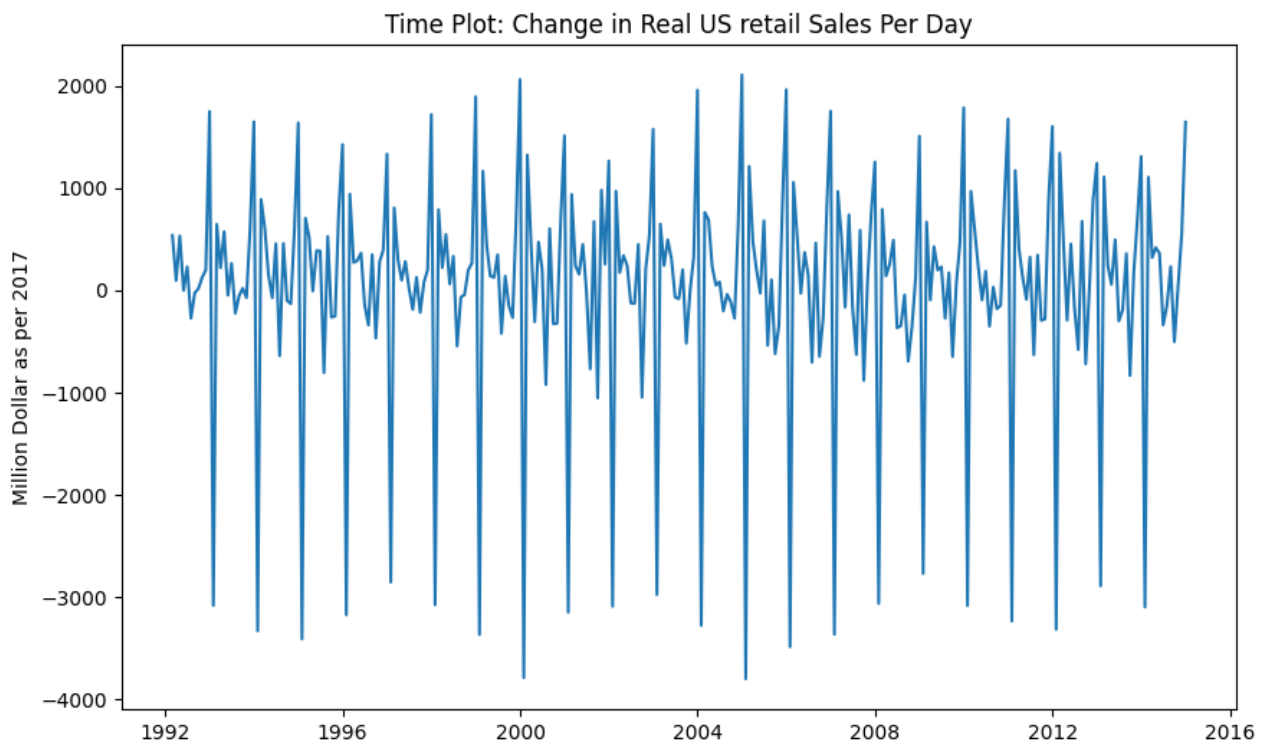
ADF Test Result: Fail to reject null hypothesis: series is non-stationary

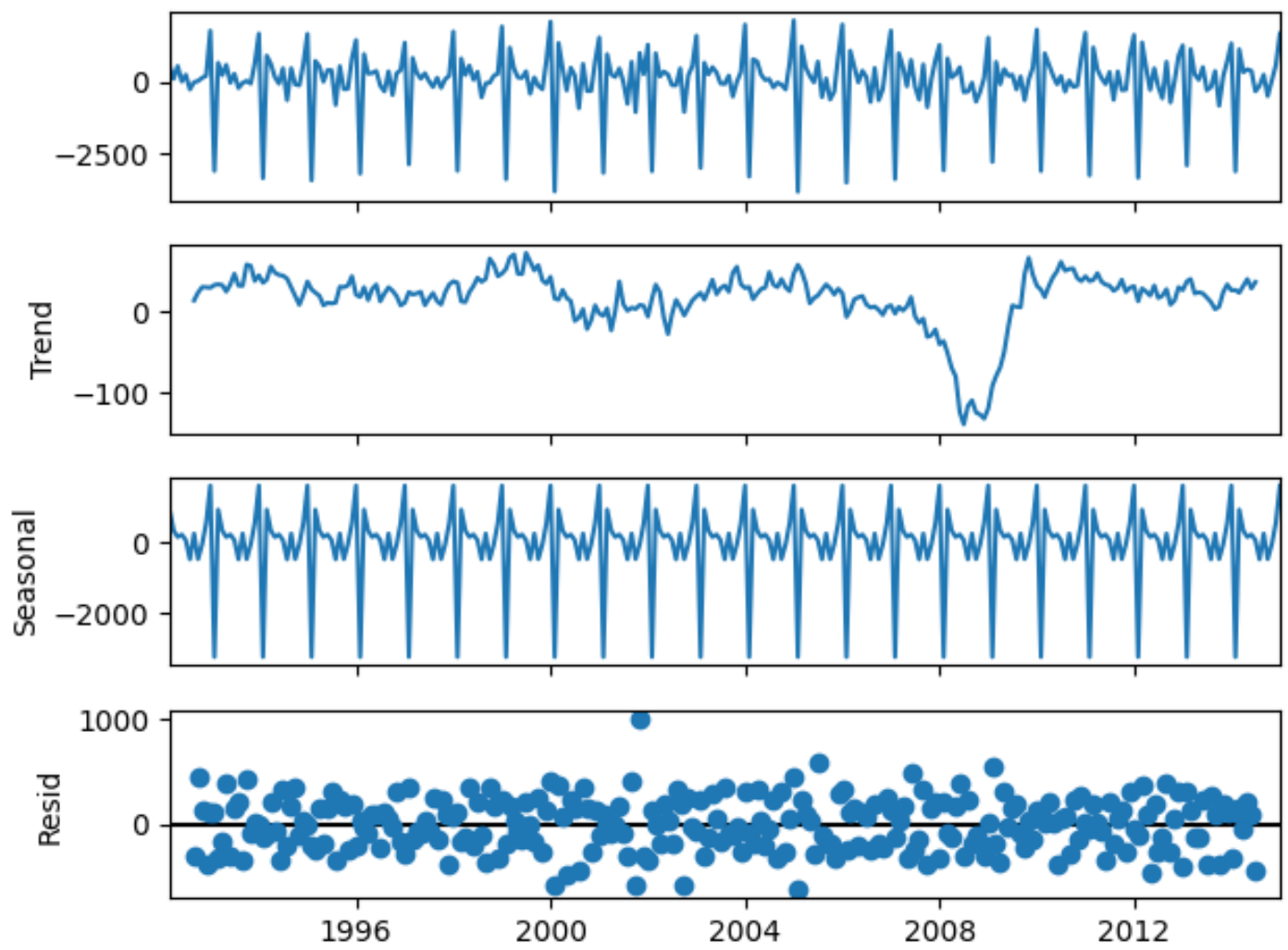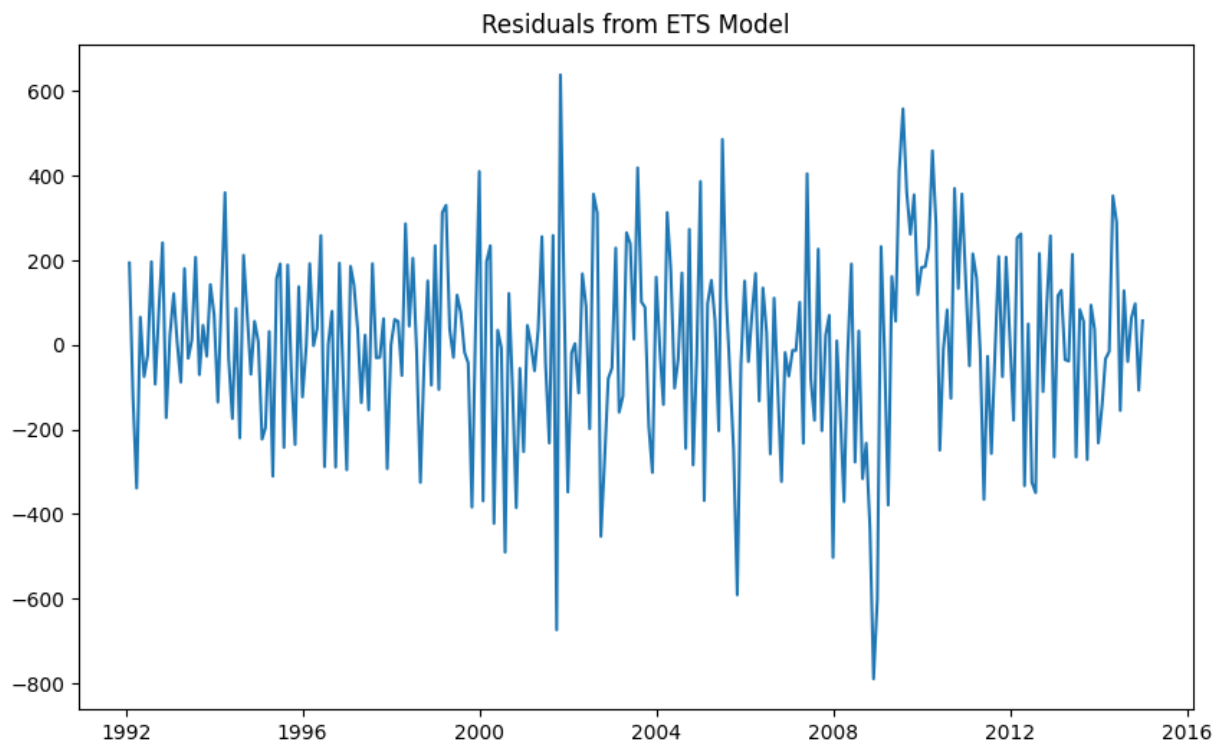KPSS Test Result: Reject null hypothesis: series is non-stationary

1. Time Series Plot

Time Plot: Real US retail Sales Per Day

2. Differenced Plot

Time Plot: Change in Real US retail Sales Per Day

3. Seasonal Decomposition

4. ETS Residuals

Residuals from ETS Model

5. ARIMA Forecast

Original vs Forecasted Data (Last Three Years)