

# Retail Sales Forecasting Dashboard Report

Generated on: 2025-04-08

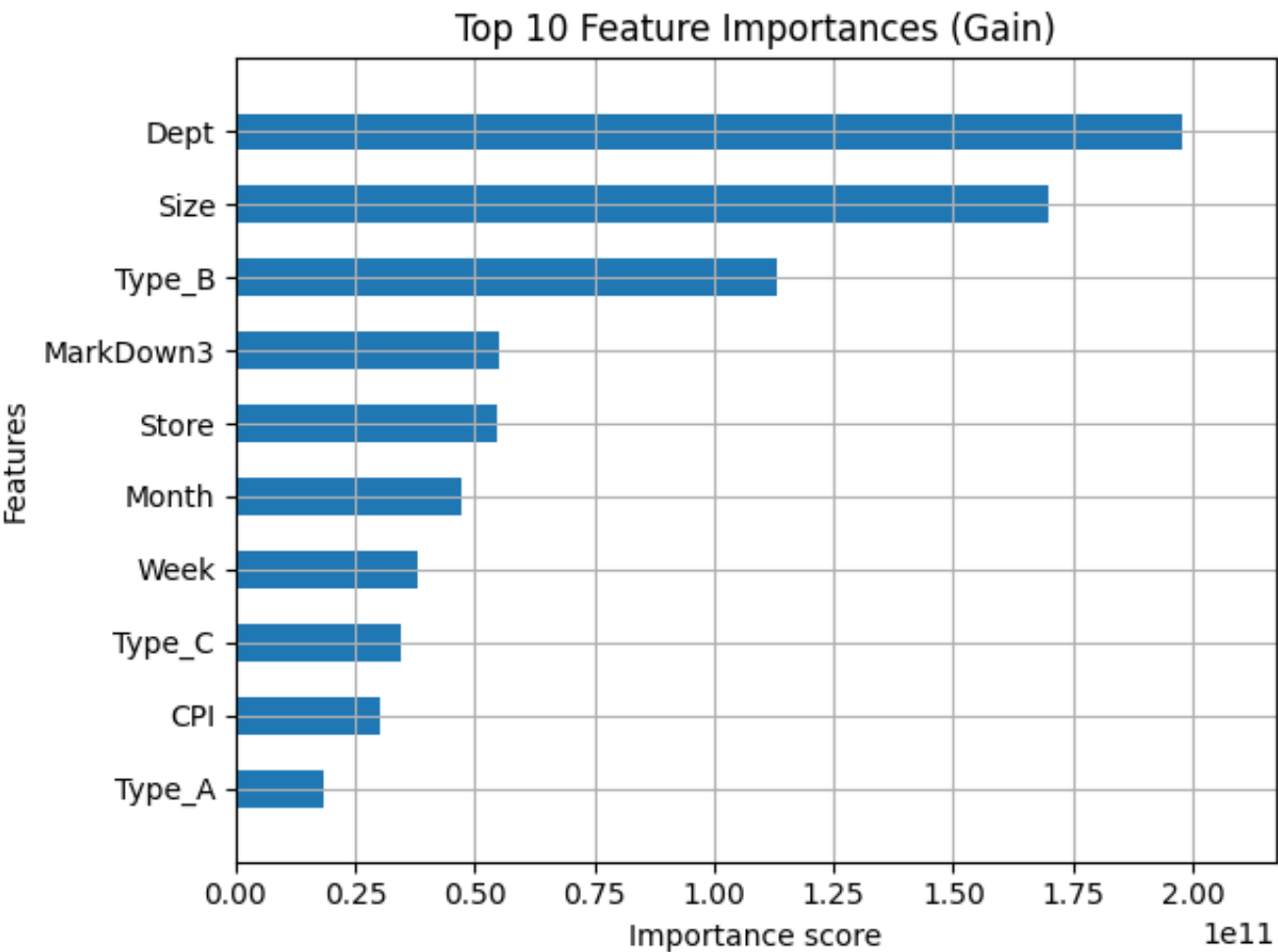
This report provides an overview of a retail sales forecasting dashboard built with Streamlit and powered by an XGBoost model. It covers evaluation metrics, visual insights, and features used to predict weekly sales for Walmart.

## 1. Model Evaluation Metrics:

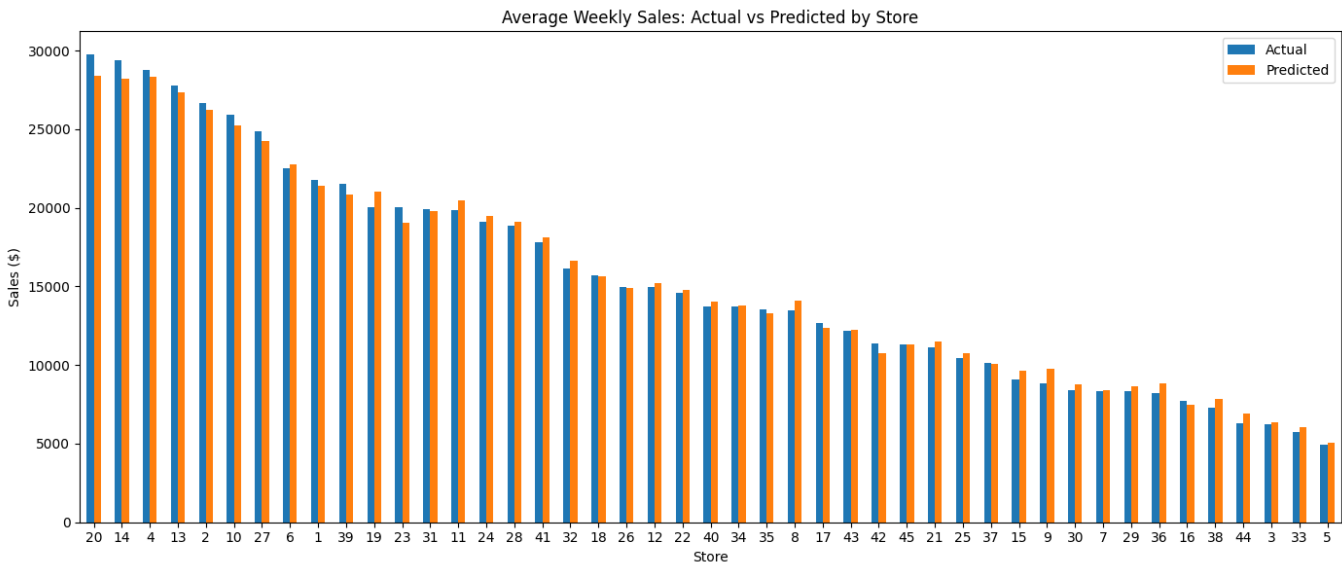
- Mean Absolute Error (MAE): \$12,094.57
- Root Mean Squared Error (RMSE): \$18,765.31

## 2. Visual Insights

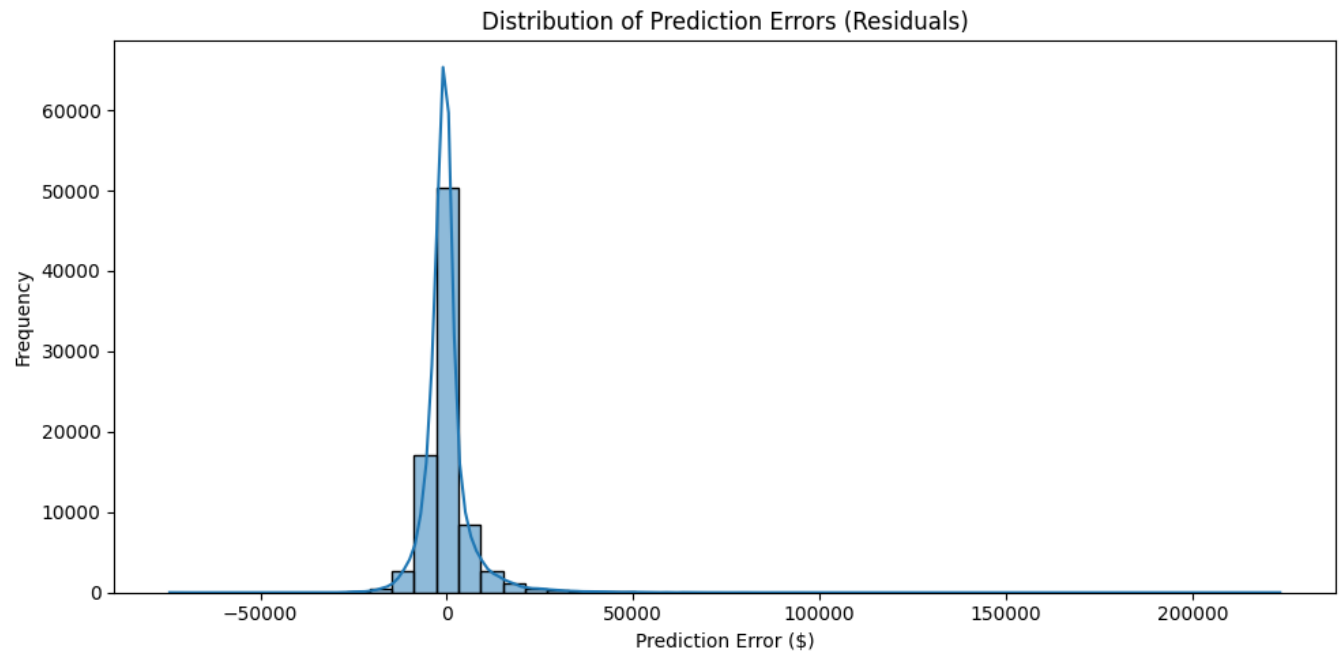
### Feature Importance



## Store-Level Sales Comparison

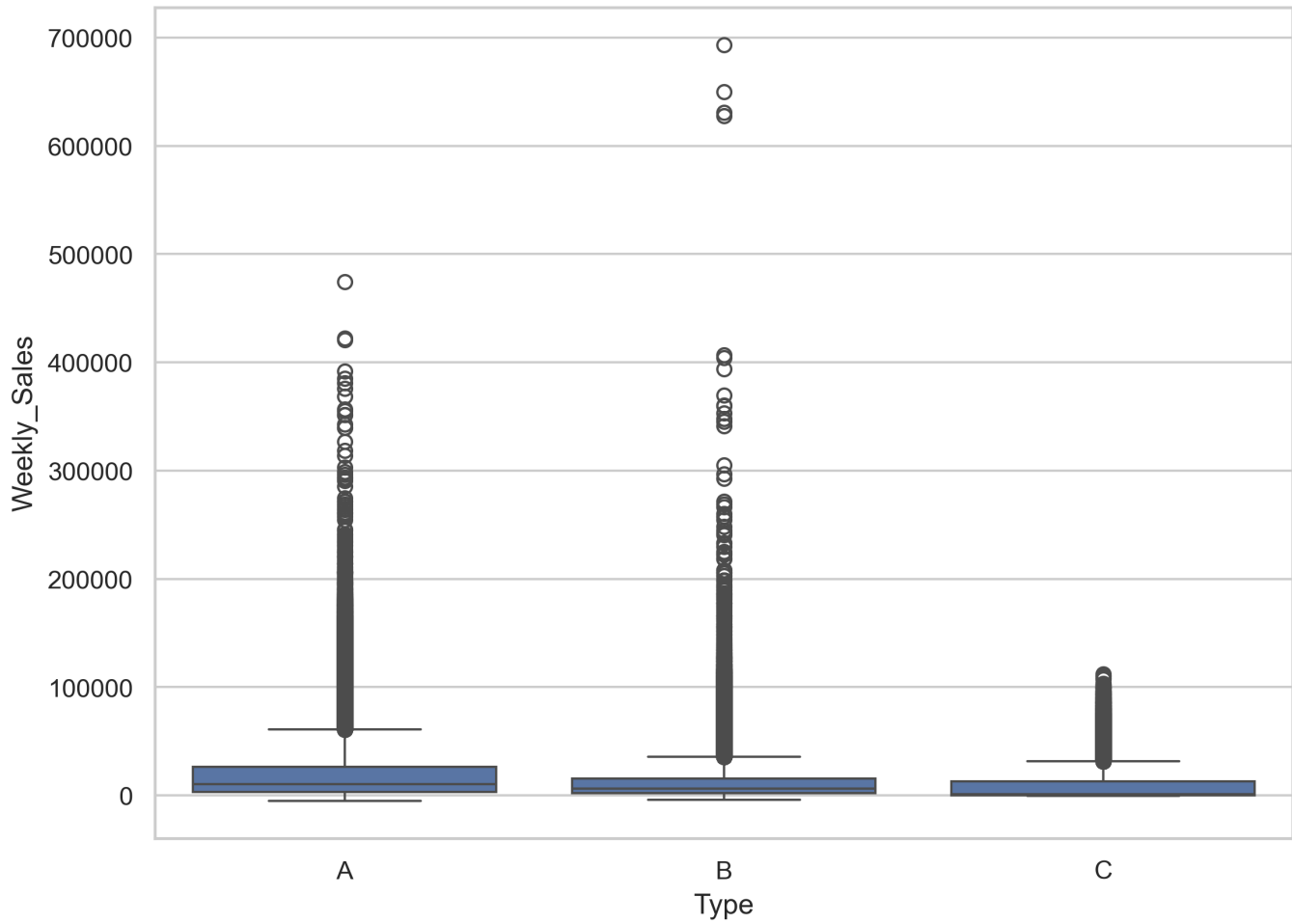


## Prediction Residual Distribution

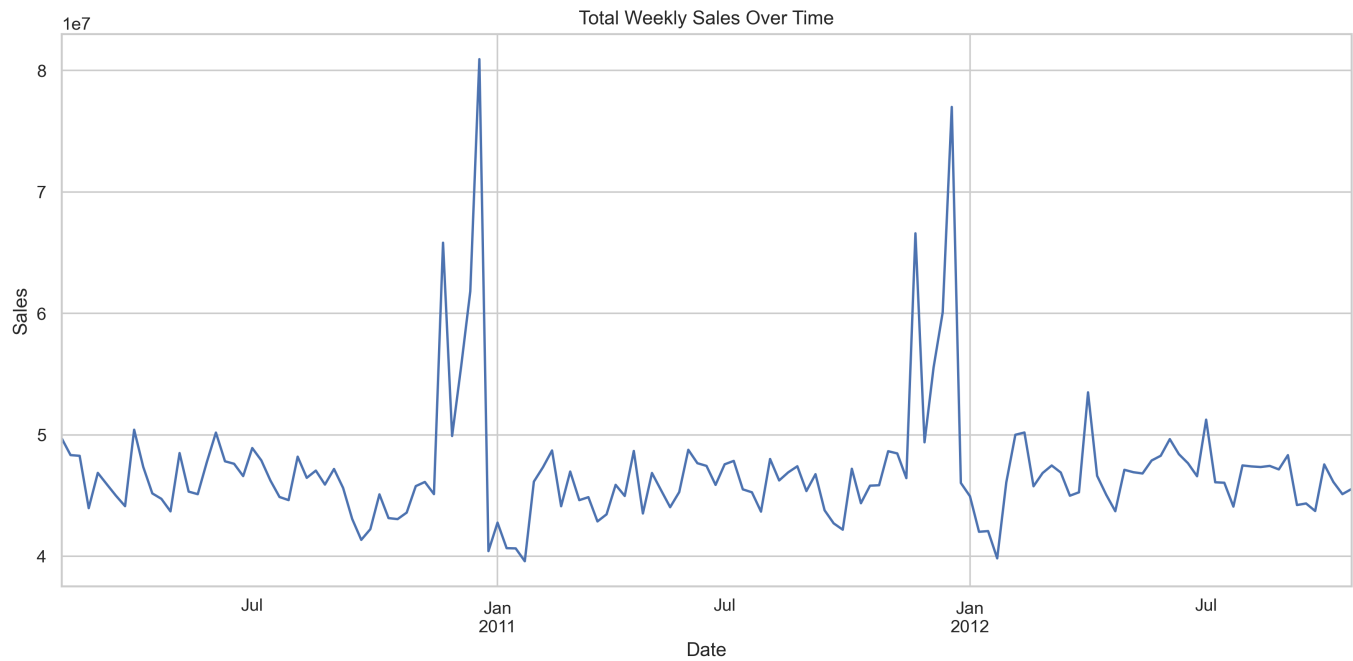


## Sales by Store Type

Sales Distribution by Store Type

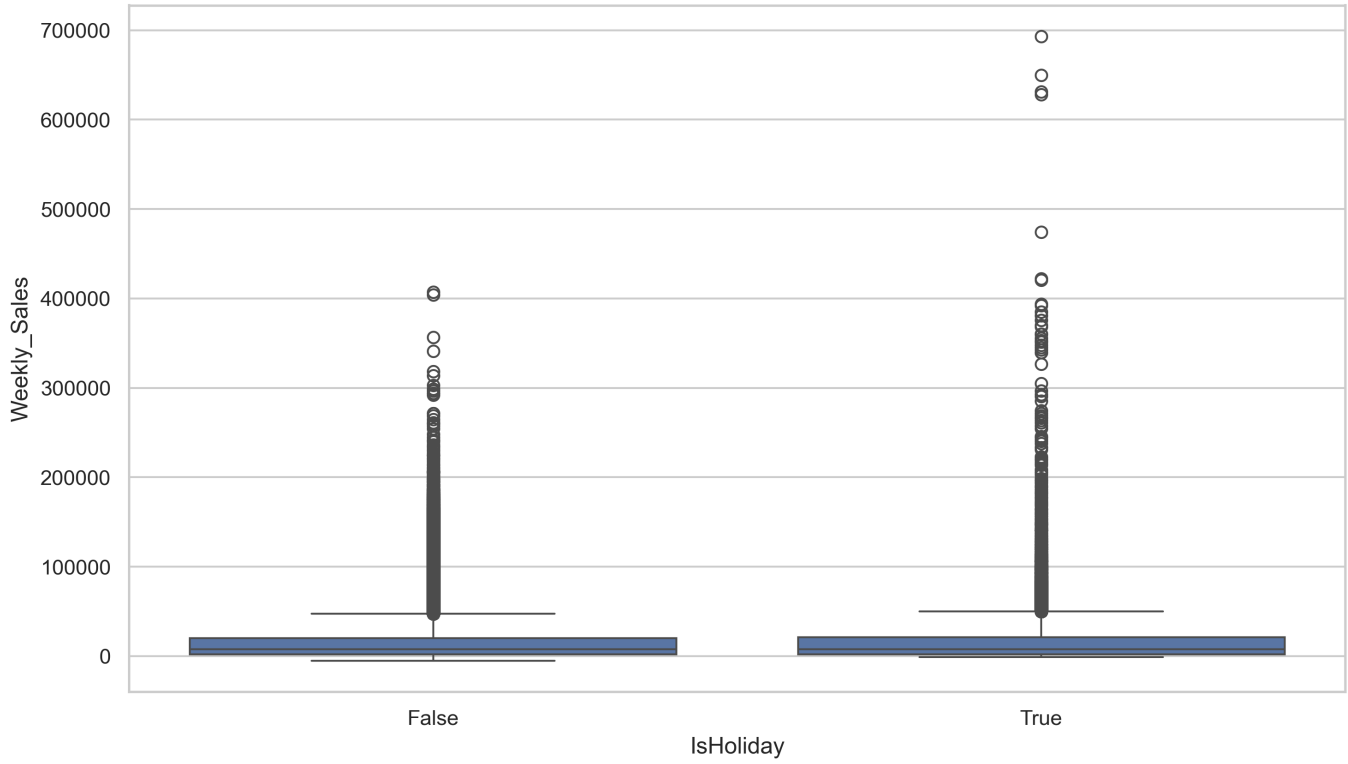


Total Weekly Sales Over Time

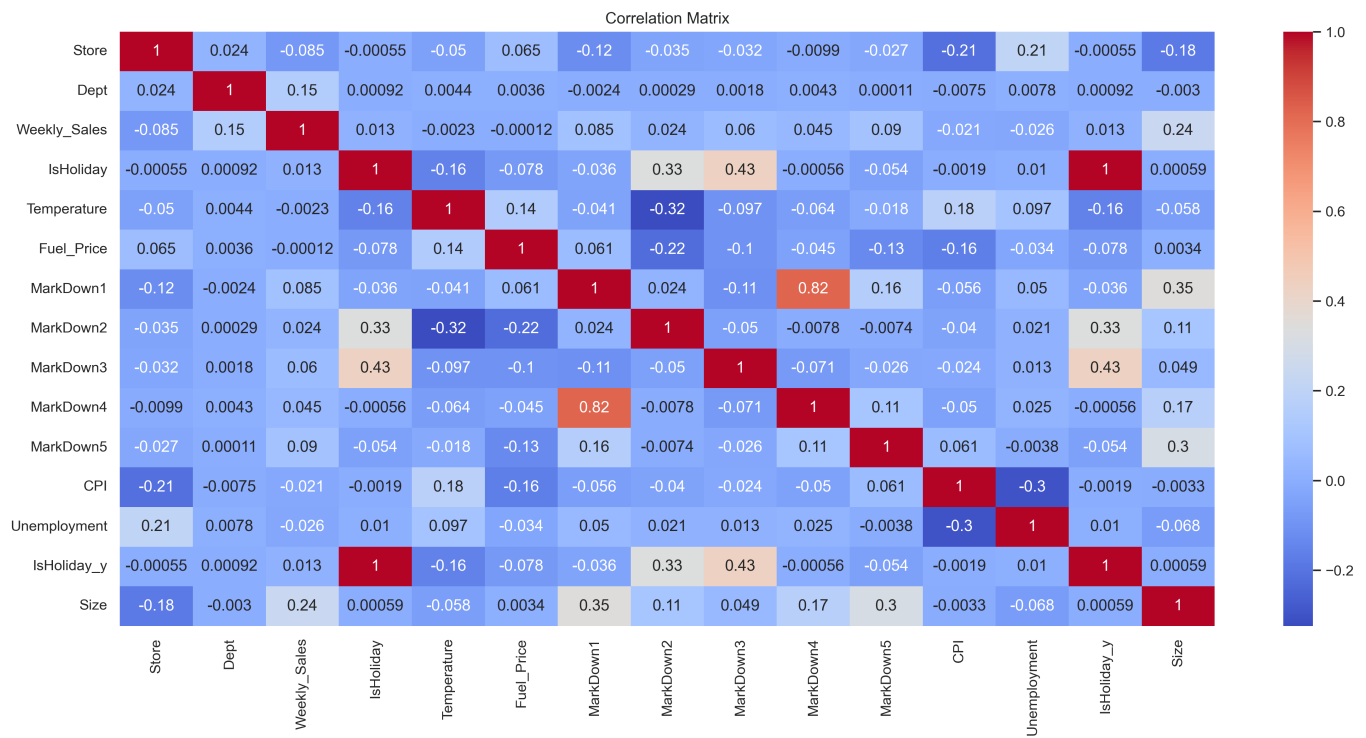


Holiday vs Non-Holiday Sales

Sales During Holidays vs Non-Holidays



Correlation Matrix



End of Report