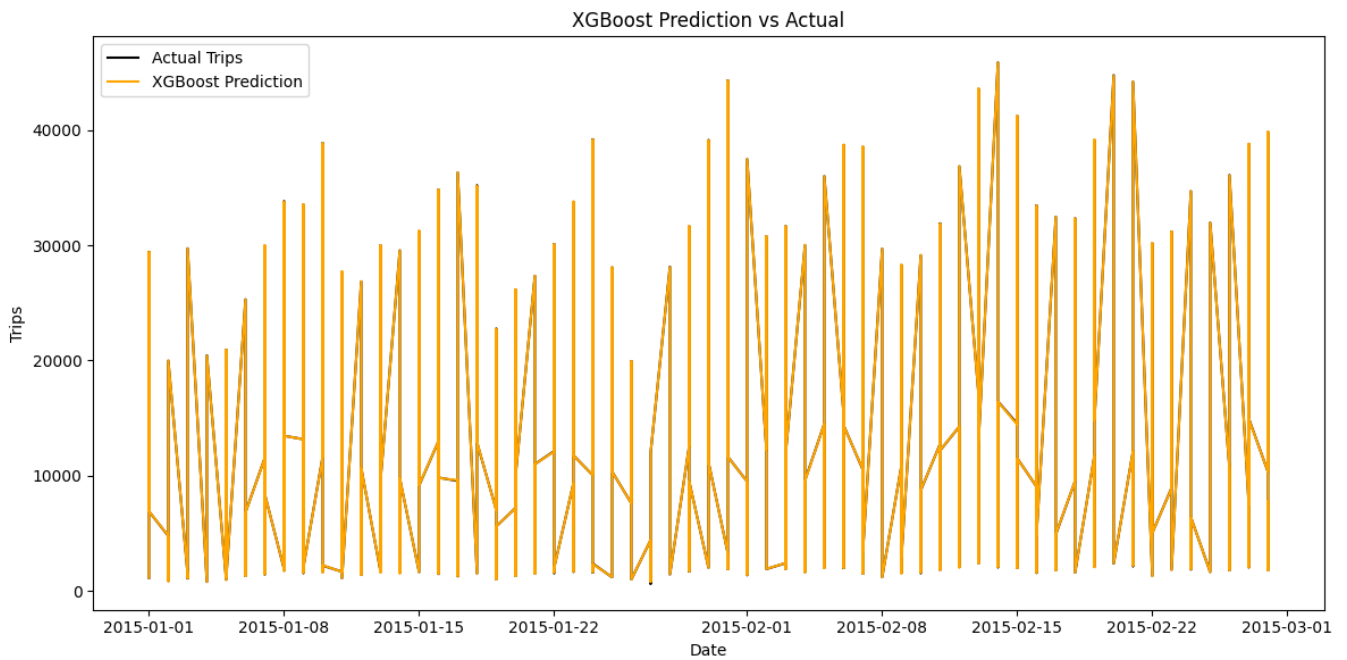


Uber Trip Forecasting - Plots Summary

Generated on: 2025-07-26 20:34:33

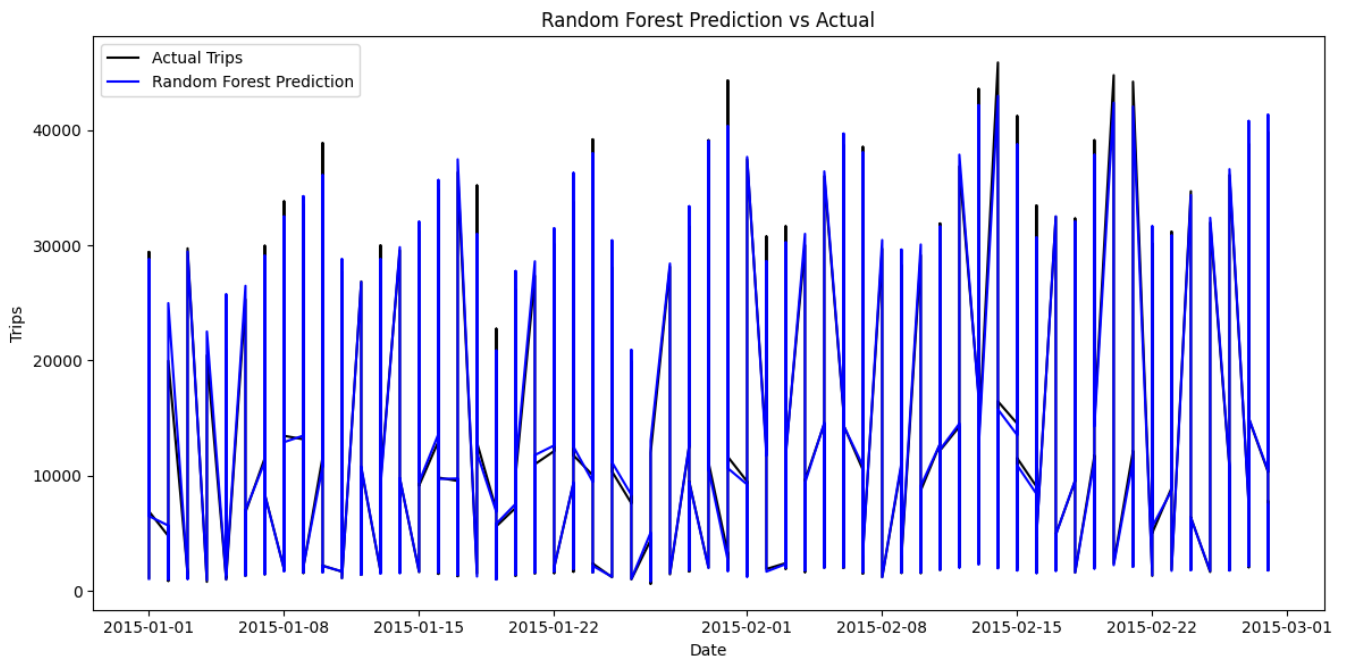
This report provides a comprehensive summary of Uber trip forecasting results using multiple ML models, exploratory trends by time, time series decomposition, and model explainability with SHAP. These insights are crucial for operations, scheduling, and understanding prediction drivers.

XGBoost vs Actual



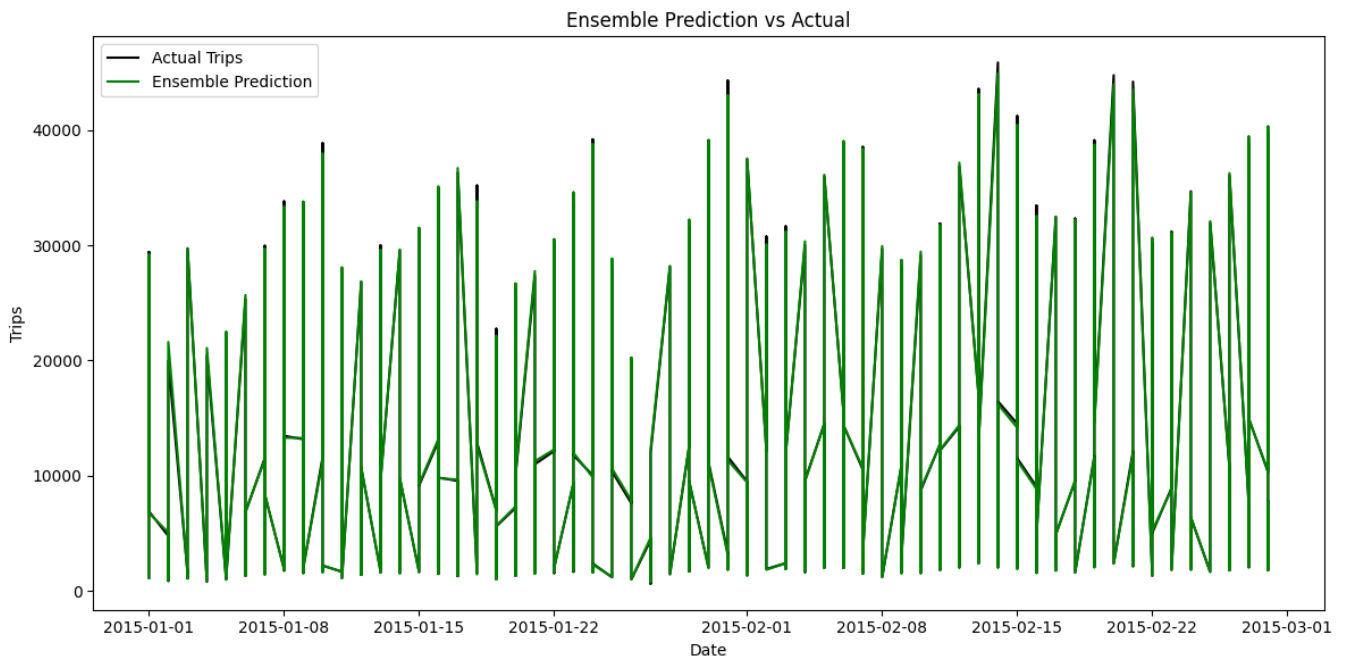
This plot compares the XGBoost model's predicted trip counts against actual observed values...

Random Forest vs Actual



The Random Forest model's predictions are shown against actual trip counts...

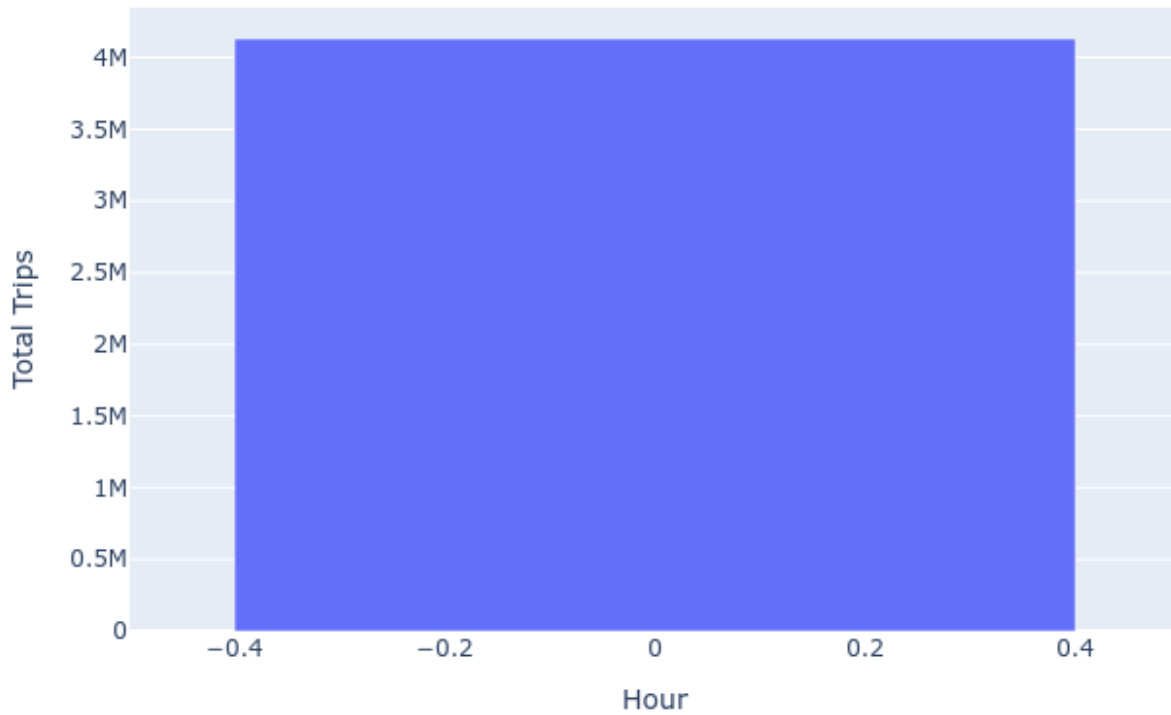
Ensemble vs Actual



This graph presents the performance of an ensemble model...

Trips per Hour

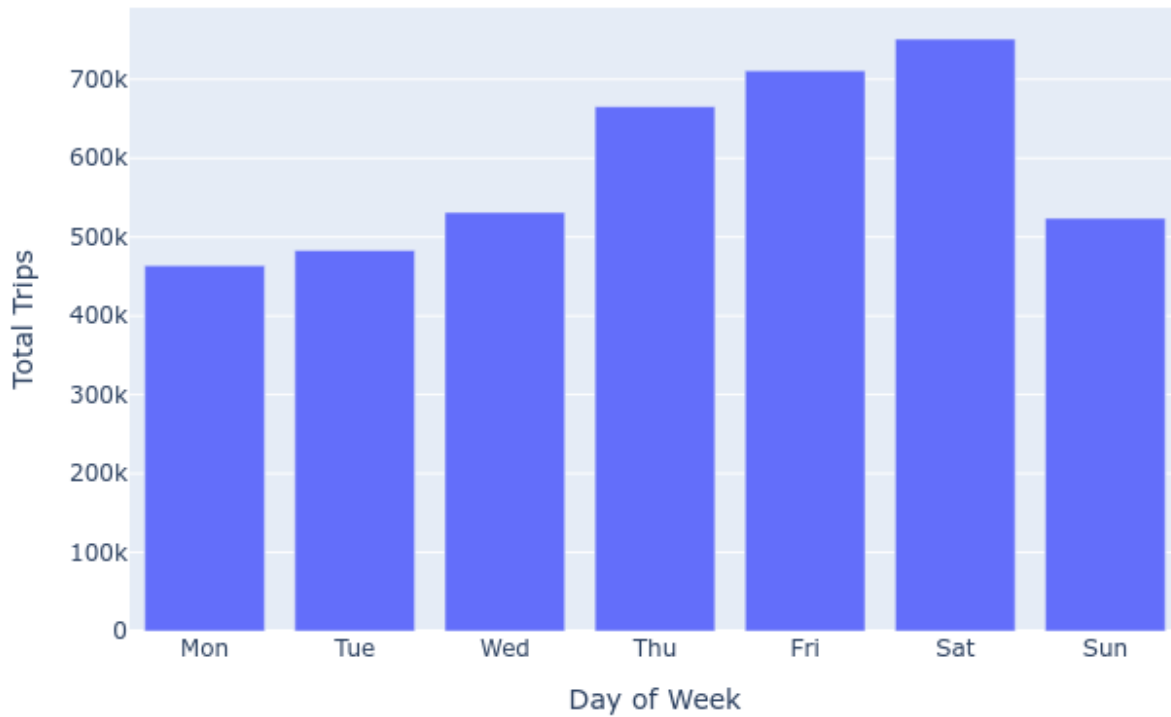
Trips per Hour



Hourly trip patterns reveal how Uber demand fluctuates across a 24-hour period...

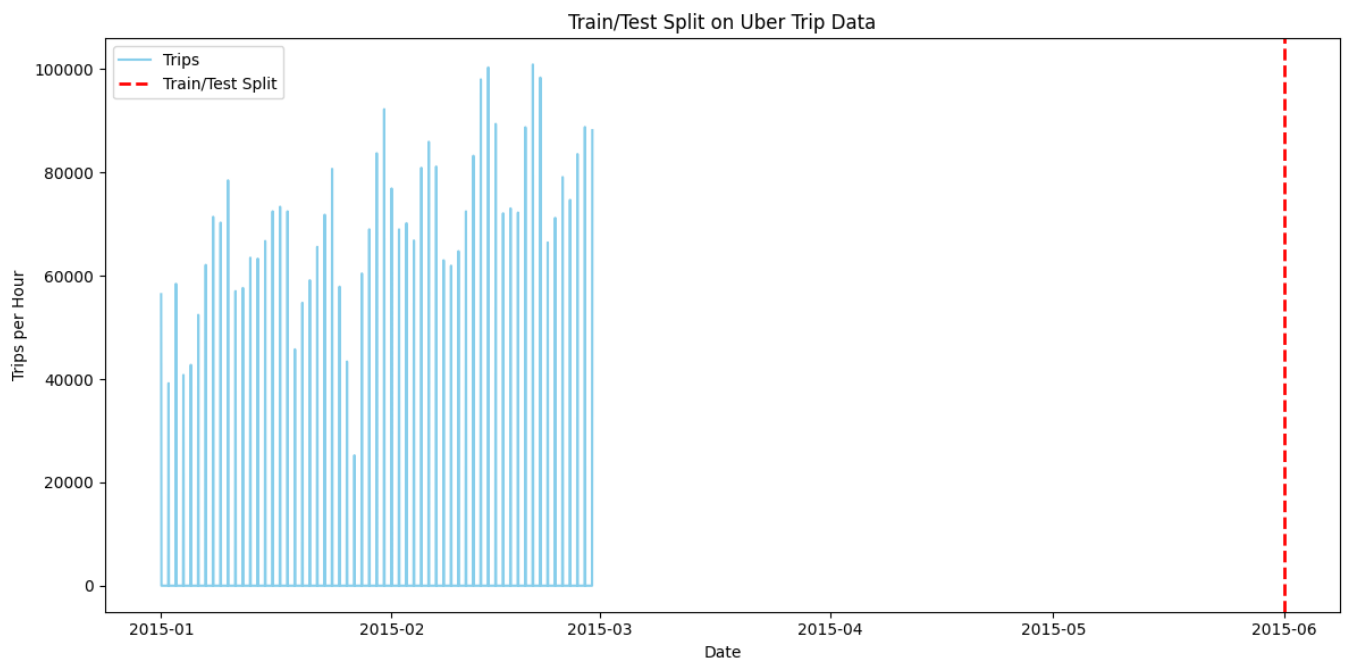
Trips per Day

Trips per Day of Week



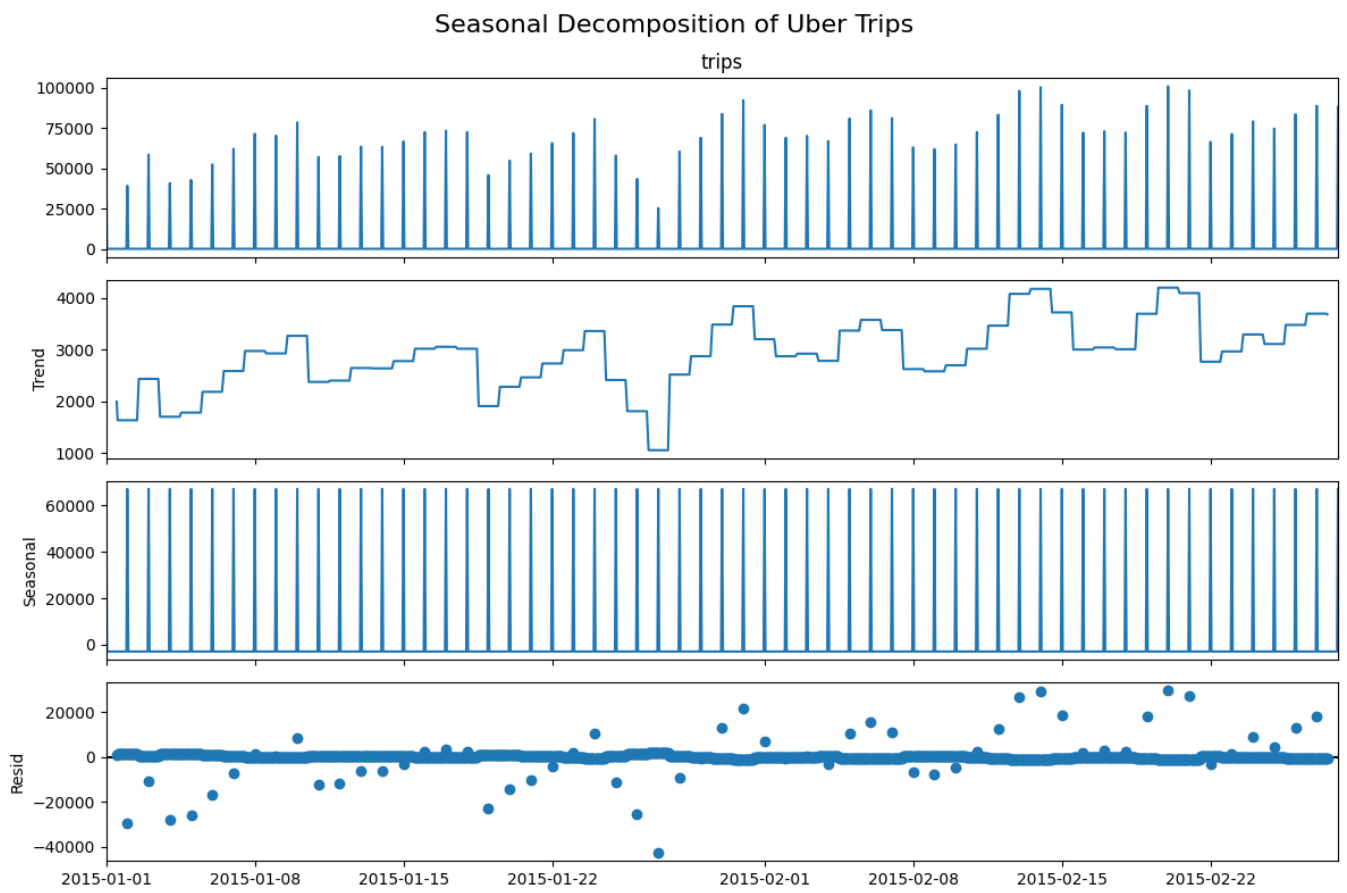
This visualization shows trip volume for each day...

Train-Test Split



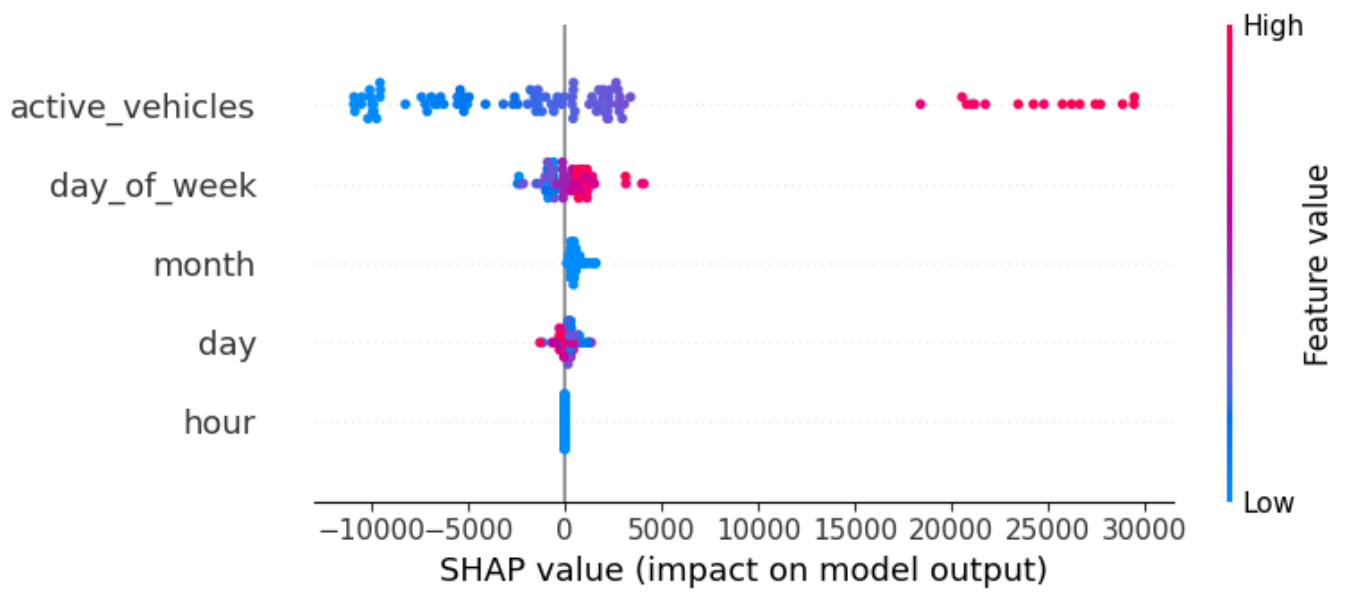
Shows how data was split chronologically into training and testing sets...

Time Series Decomposition



A time-series decomposition into trend, seasonality, and residual components...

SHAP Summary



This SHAP plot highlights the influence of each feature on the models predictions...