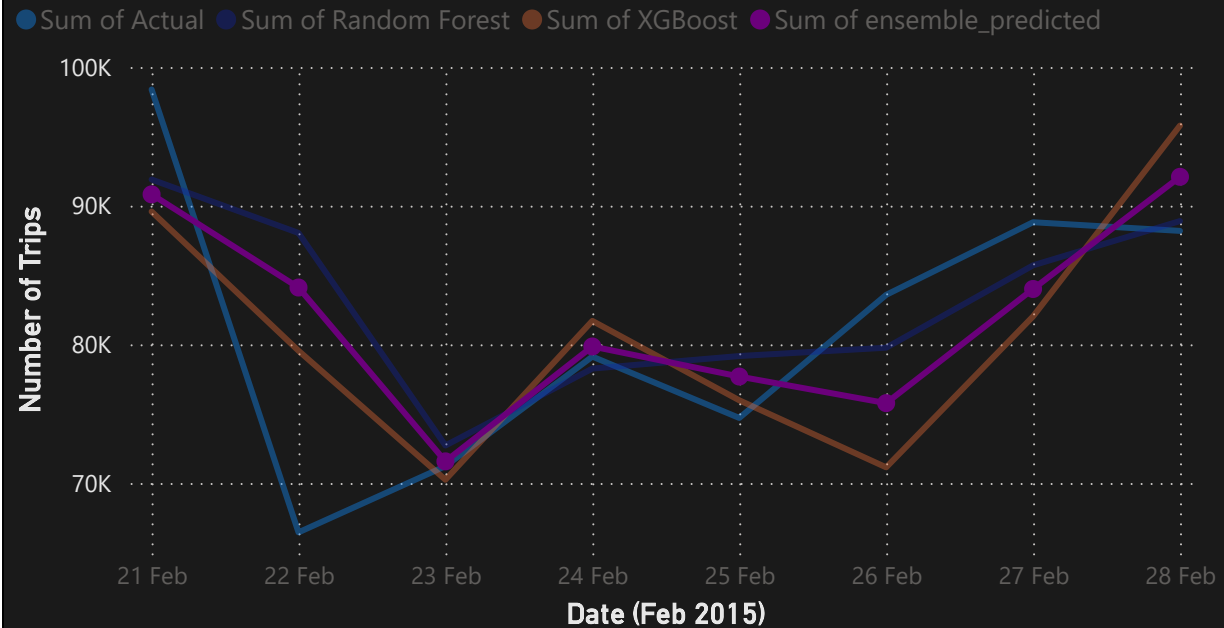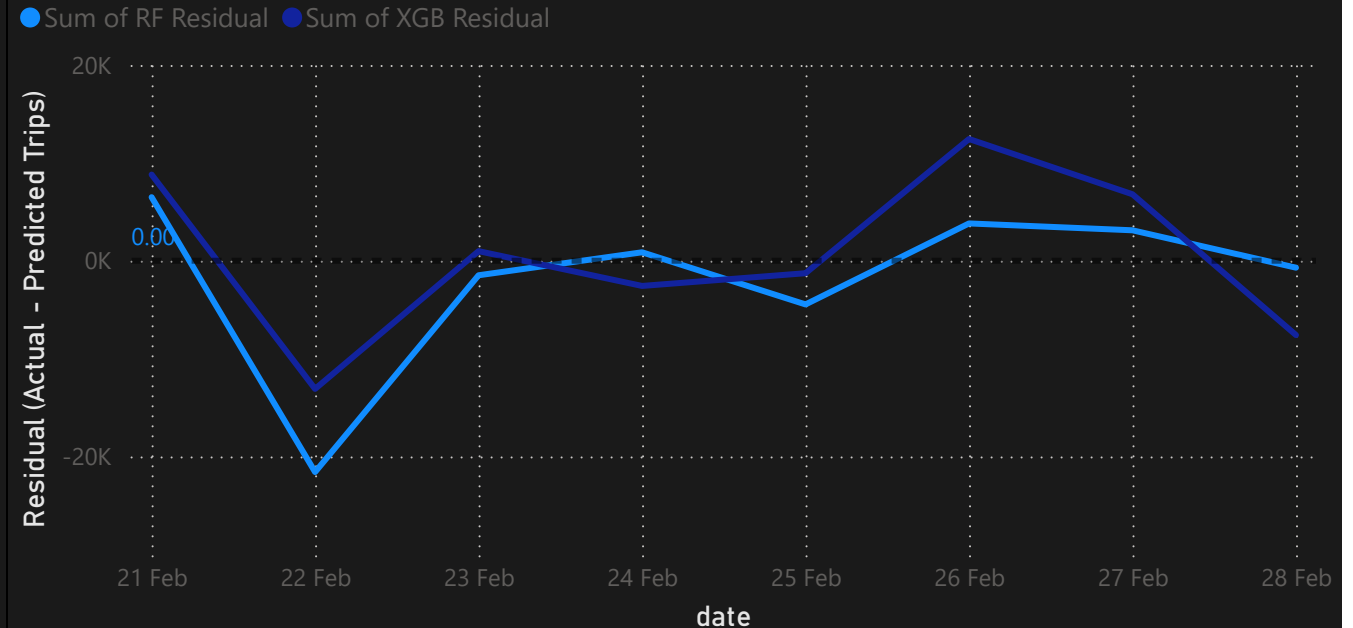# Uber Trip Demand Forecasting Dashboard

(Jan–Feb 2015 | ML Models: RF, XGBoost, Ensemble)

Uber Trip Forecast: Actual vs Predicted (RF, XGB, Ensemble)

● Sum of Actual ● Sum of Random Forest ● Sum of XGBoost ● Sum of ensemble_predicted

Number of Trips

100K, 90K, 80K, 70K

21 Feb, 22 Feb, 23 Feb, 24 Feb, 25 Feb, 26 Feb, 27 Feb, 28 Feb

Date (Feb 2015)

Residual Error: Random Forest vs XGBoost

● Sum of RF Residual ● Sum of XGB Residual

Residual (Actual − Predicted Trips)

20K, 0.00, 0K, −20K

21 Feb, 22 Feb, 23 Feb, 24 Feb, 25 Feb, 26 Feb, 27 Feb, 28 Feb

date

Average of trips by day_of_week

Average of trips

100K, 50K, 0K

Monday, Tuesday, Wednesday, Thursday, Friday, Saturday, Sunday

day_of_week