

Decision Support System for Smart Public Transport Operations

Average Predicted Demand

397.79

Average Dynamic Price

2.44

Vehicles Saved

10

Baseline Vehicles - 35

After Optimization - 25

Vehicle_ID

25

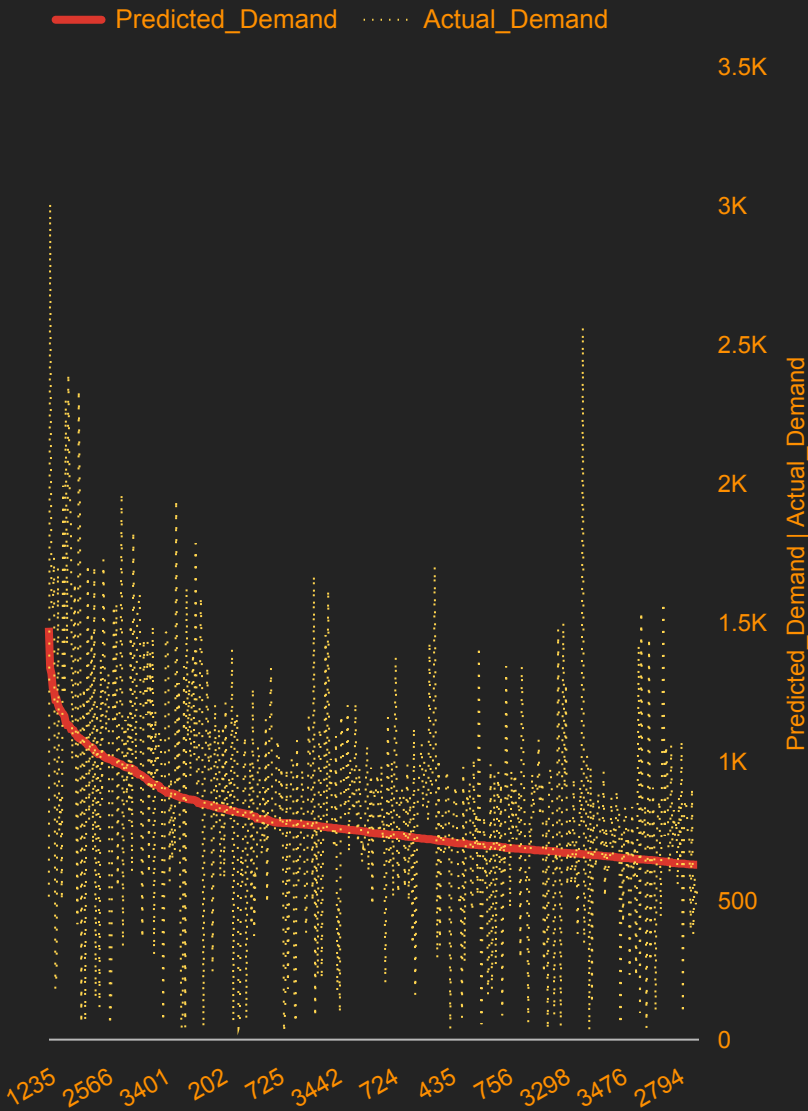
Capacity_Used_Percent

90.08

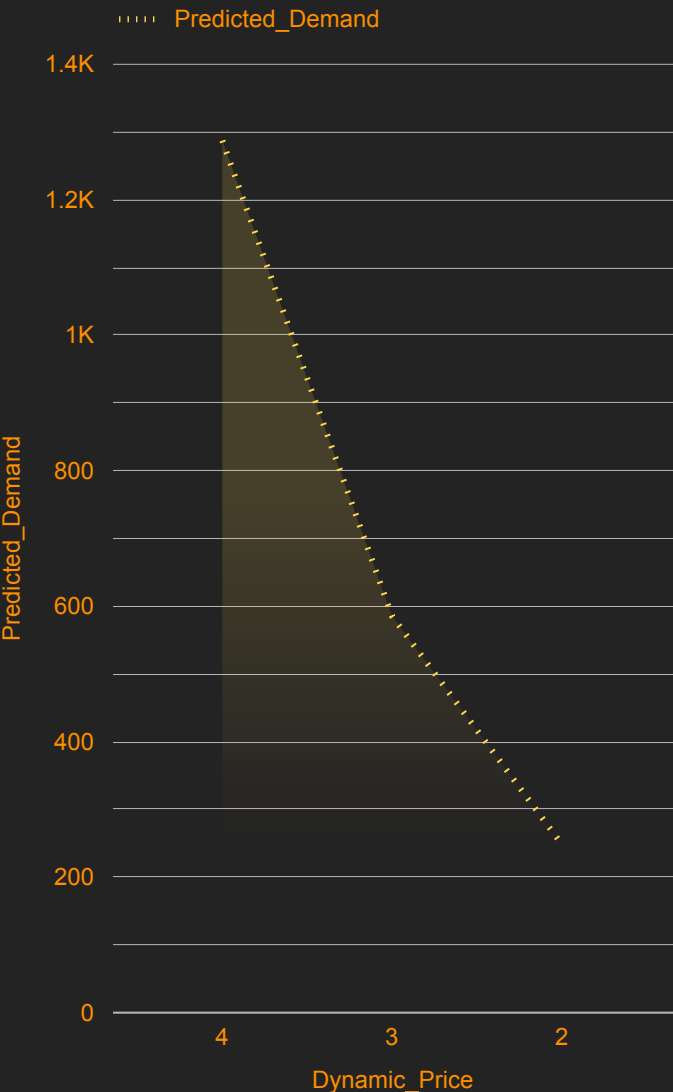
Max_Load

300

Actual vs Predicted Passenger Demand (LSTM Model)



Dynamic Pricing Adjustment Based on Predicted Demand



Optimized Vehicle Utilization After Demand-Based Allocation

