

# 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

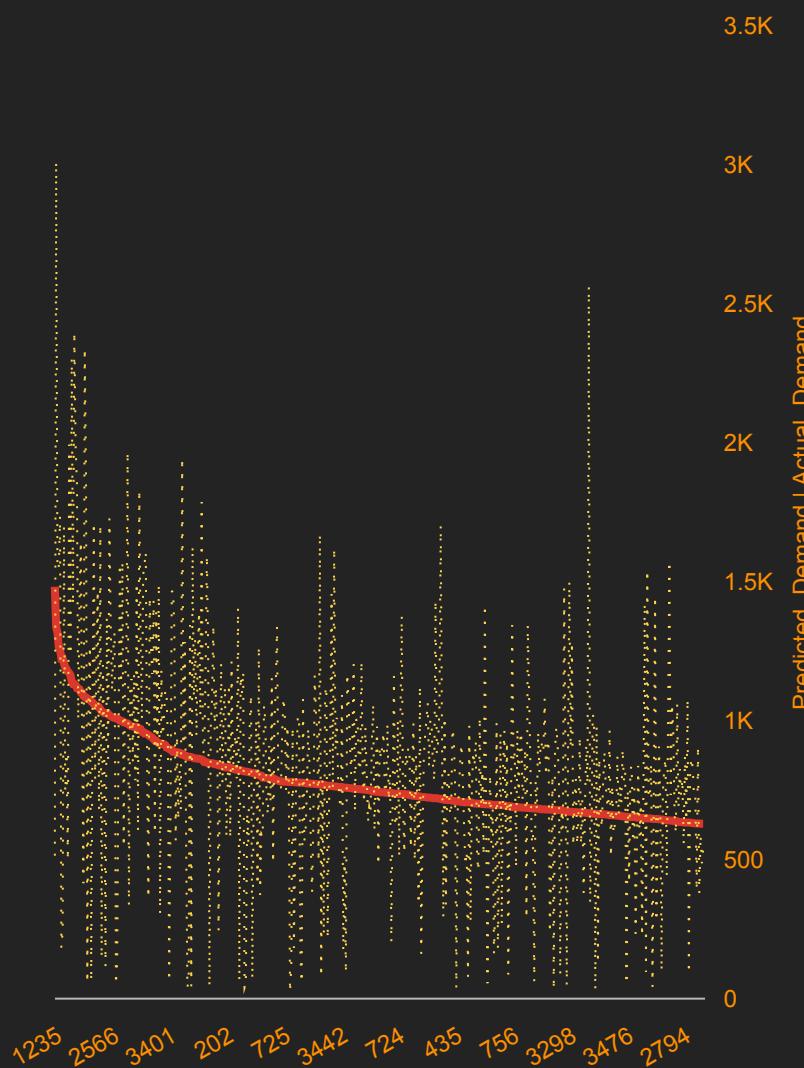
Vehicle\_ID  
**25**

Capacity\_Used\_Percent  
**90.08**

Max\_Load  
**300**

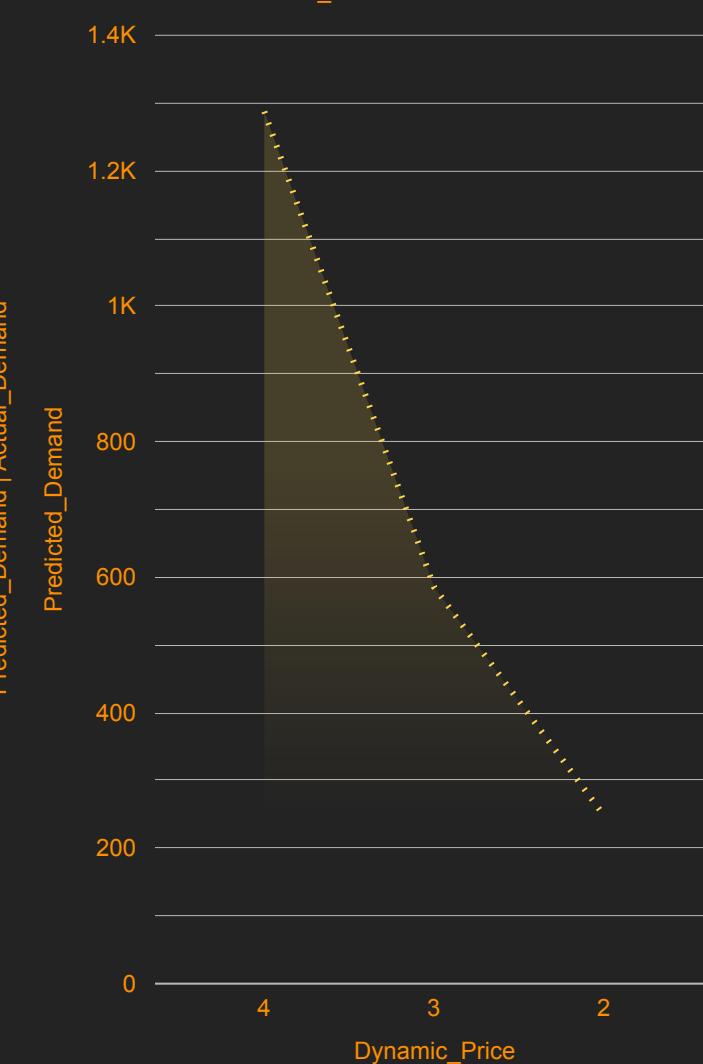
Actual vs Predicted Passenger Demand (LSTM Model)

— Predicted\_Demand    ..... Actual\_Demand



Dynamic Pricing Adjustment Based on Predicted Demand

..... Predicted\_Demand



Optimized Vehicle Utilization After Demand-Based Allocation

Capacity\_Used\_Percent

