AVIATION ANALYTICS DASHBOARD

- POWERED BY MACHINE LEARNING PREDICTION MODEL

Analysis
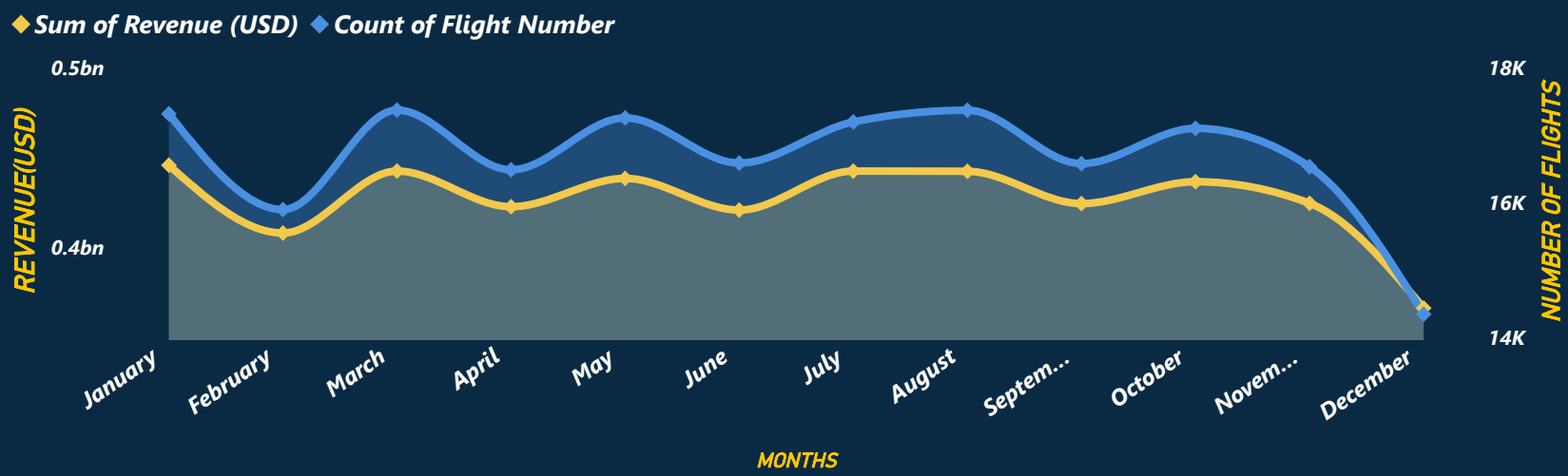
AVIATION ANALYSIS

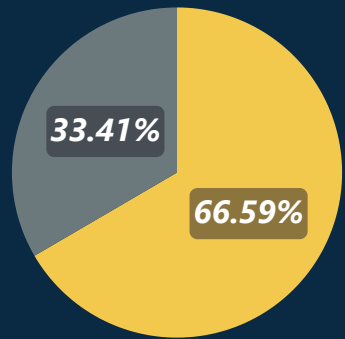## Monthly Revenue & Flight Count

◆ Sum of Revenue (USD) ◆ Count of Flight Number

REVENUE(USD)

0.5bn

0.4bn

NUMBER OF FLIGHTS

18K

16K

14K

Months: January, February, March, April, May, June, July, August, Septem..., October, Novem..., December

MONTHS

Revenue Contribution by Fleet Availability Range

Fleet Avail... ● 80-100% ● 60-79%
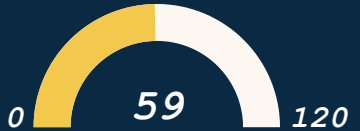
- 33.41%
- 66.59%

5.11bn
Sum of Revenue (USD)

1.03bn
Sum of Profit (USD)

Average Delay Time(Mins)
0   59   120

5.5
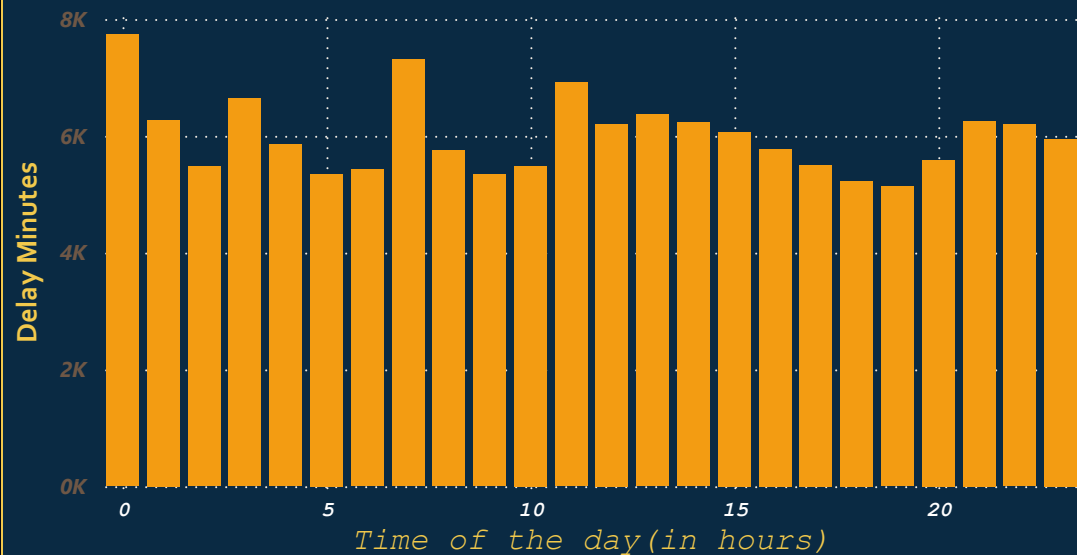Average Maintenance(Hours)

4.09bn
Sum of Operating Cost (USD)

1.75
Average Debt-to-Equity Ratio

TOP 10 FLIGHTS BY REVENUE(USD)

FLIGHT NUMBER	REVENUE(USD)
FL518	6.43M
FL206	6.35M
FL857	6.17M
FL097	6.16M
FL046	6.15M
FL776	6.13M
FL245	6.12M
FL318	6.11M
FL324	6.11M
FL974	6.09M

0M   1M   2M   3M   4M   5M   6M

REVENUE(USD)

PREDICTED ANALYSIS

0.9968
r2 score

452.13
Mean Absolute Error

Hourly Delay Distribution

Delay Minutes vs Time of the day(in hours)

Revenue Breakdown: Ticket & Ancillary

● Ancillary Revenue(USD) ● Ticket Revenue(USD)

90%   10%

Delay Impact on Profit
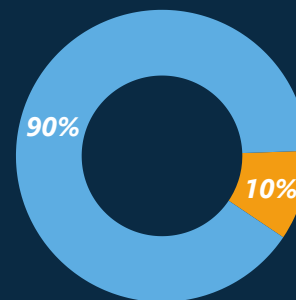
Predicted Profit(USD) vs Delay (Minutes)
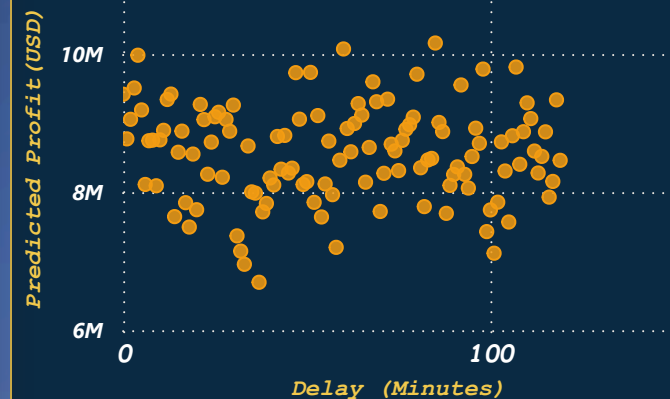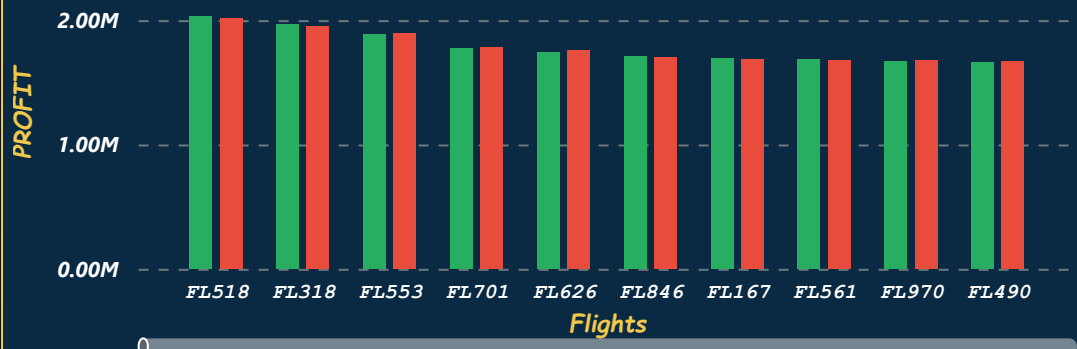
Flight-Wise Comparison of Actual and Predicted Profit (USD)

● Sum of Profit (USD) ● Sum of Predicted Profit

PROFIT vs Flights (FL518, FL318, FL553, FL701, FL626, FL846, FL167, FL561, FL970, FL490)

Actual Profit(USD) VS Predicted Profit(USD)

Actual Profit(USD) vs Predicted Profit(USD)