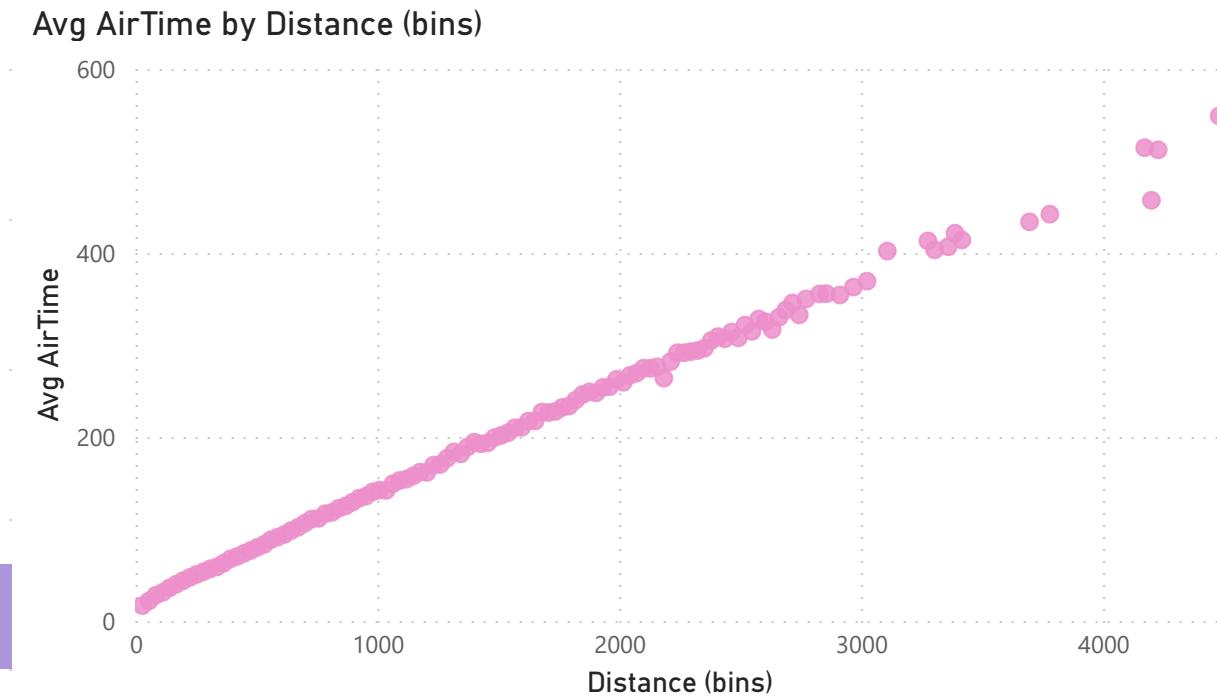
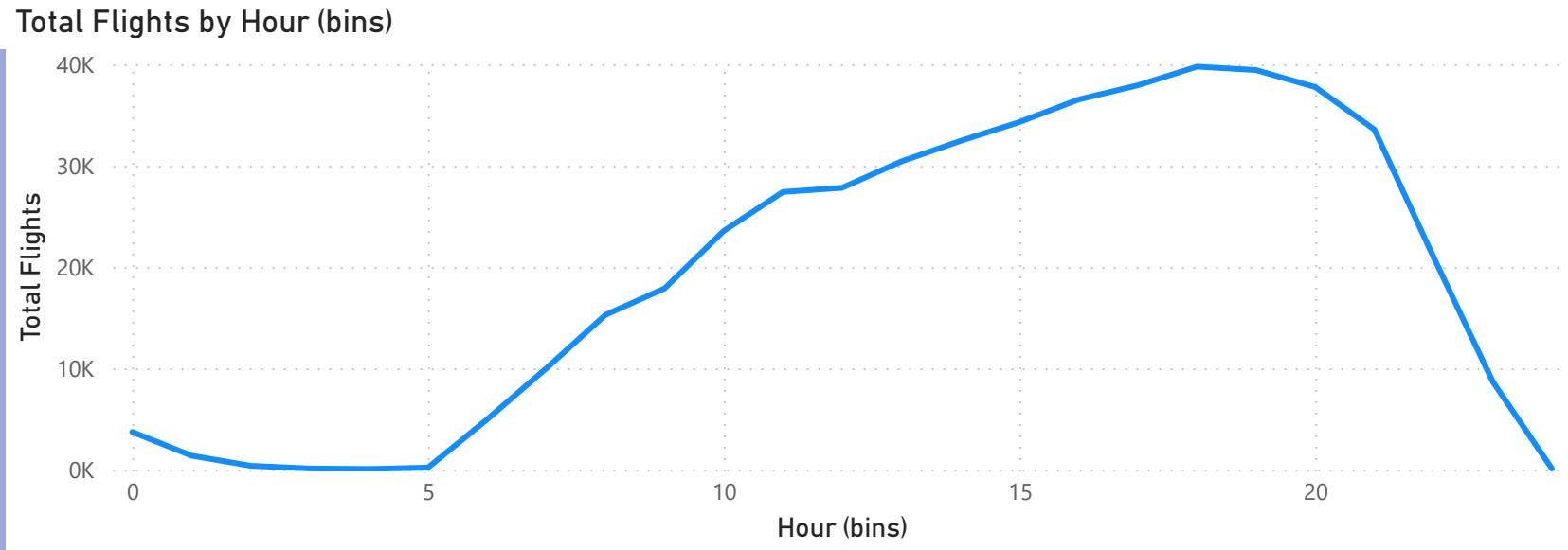
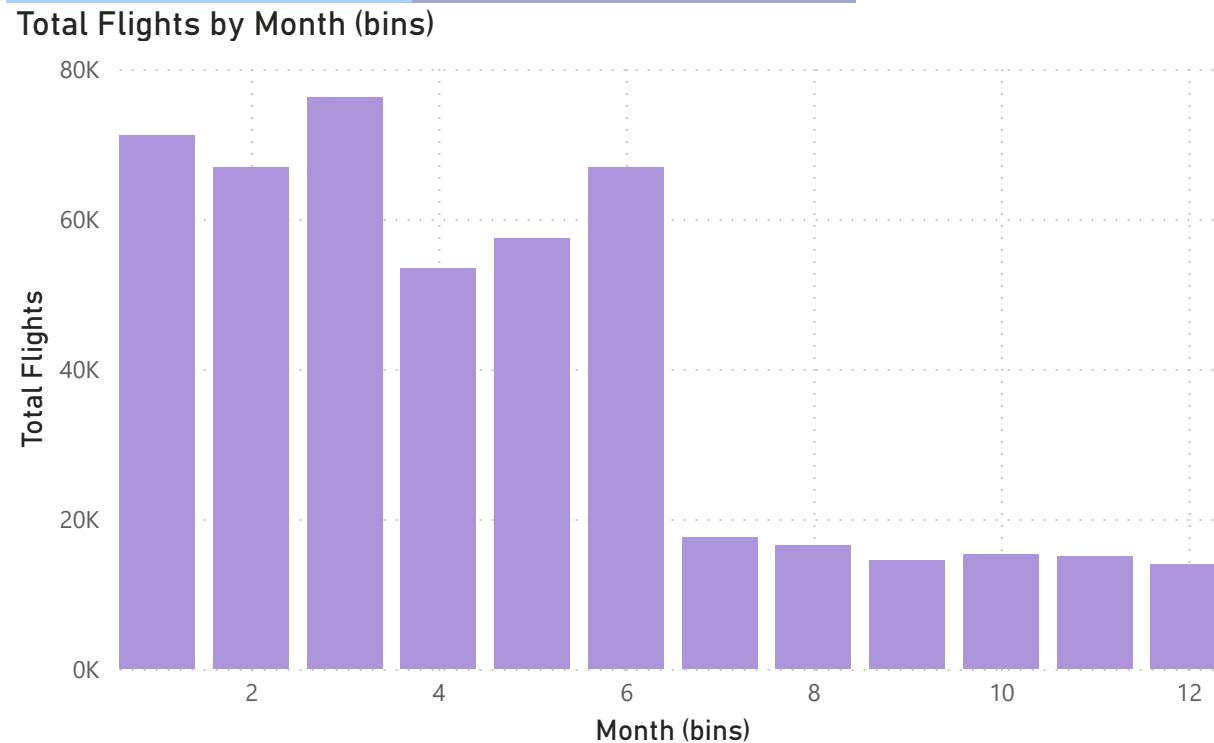
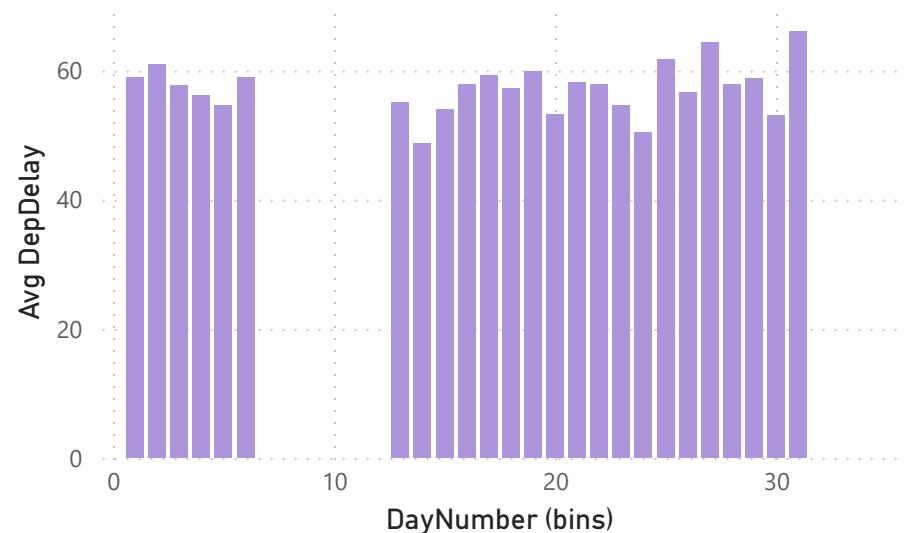


# Dashboard A — Overview (Quick operational snapshot)



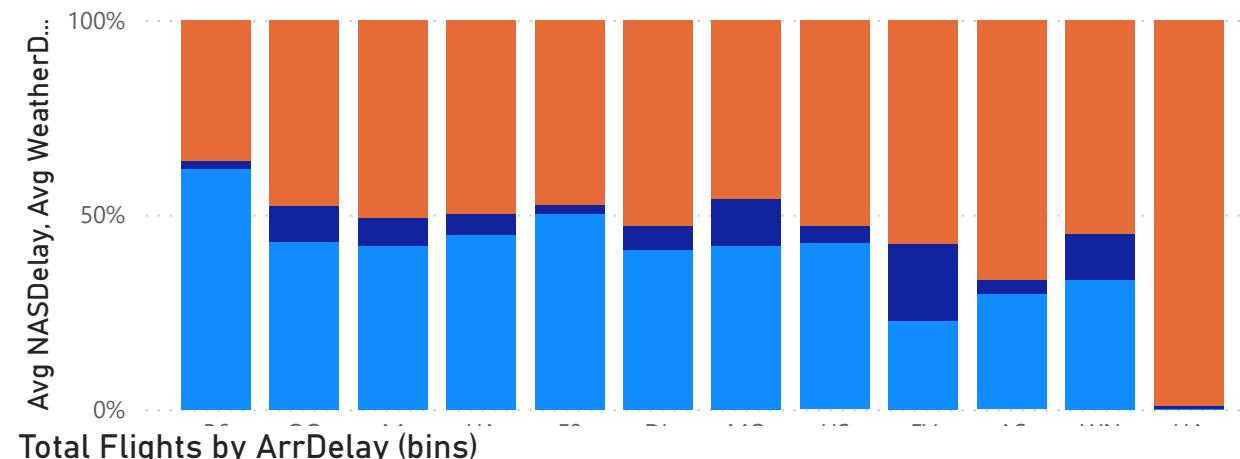
## Dashboard B — Delay Analysis (where delays originate)

Avg DepDelay by DayNumber (bins)



Avg NASDelay, Avg WeatherDelay and Avg CarrierDelay by UniqueCarrier

● Avg NASDelay ● Avg WeatherDelay ● Avg CarrierDelay

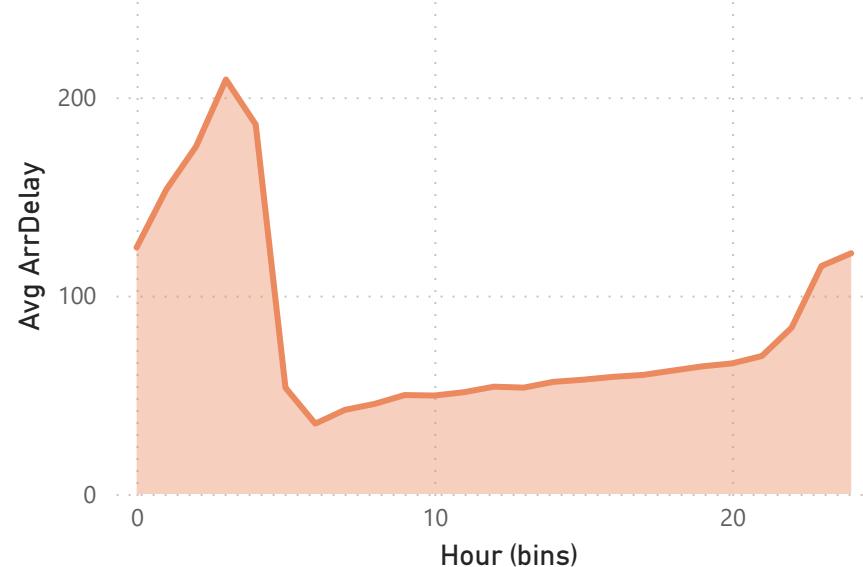


Avg TaxiOut, Avg DepDelay and Total Flights

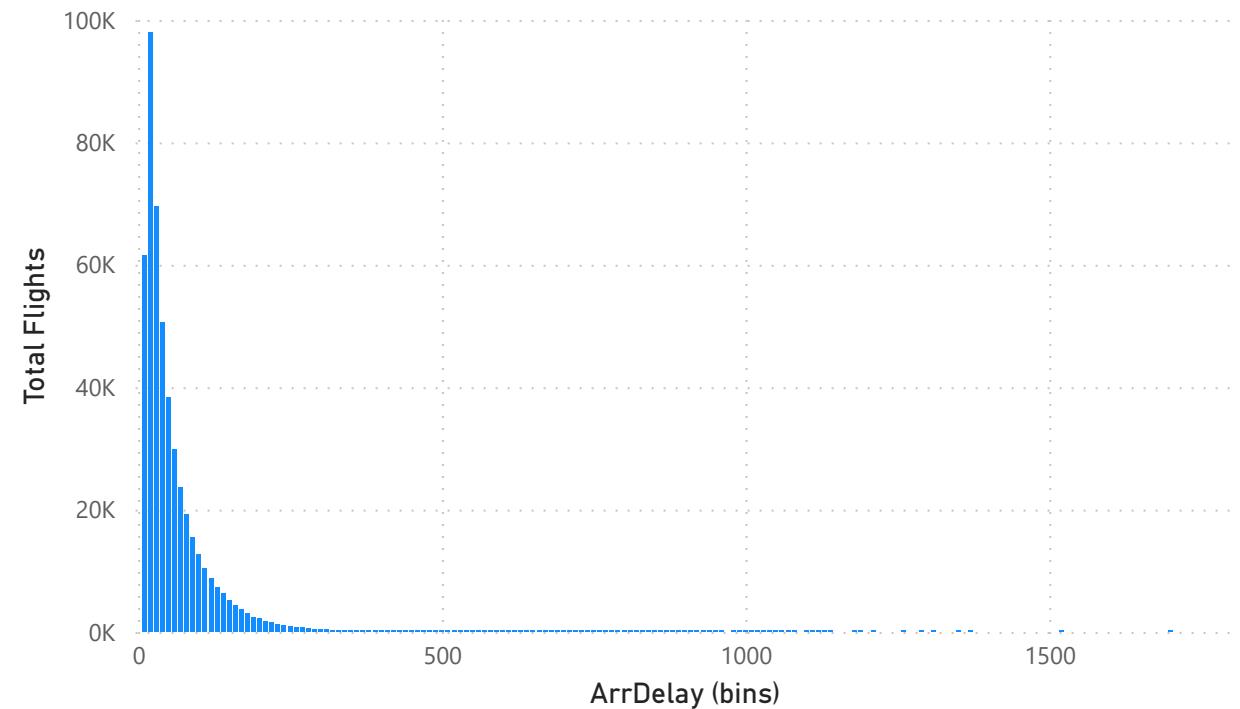
60



Avg ArrDelay by Hour (bins)



Total Flights

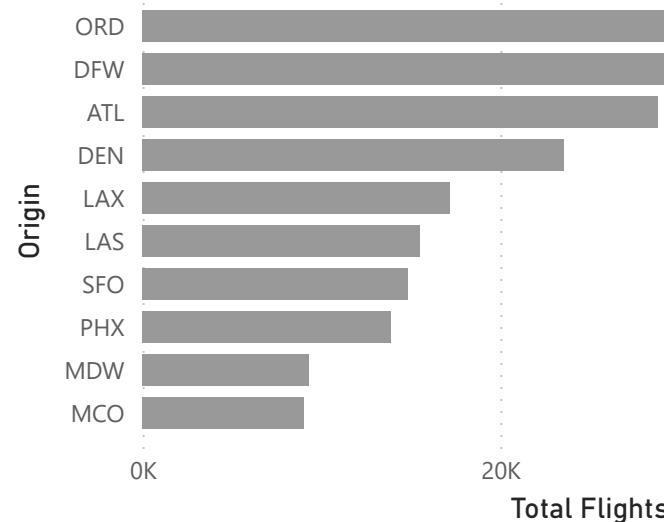


40 10 20

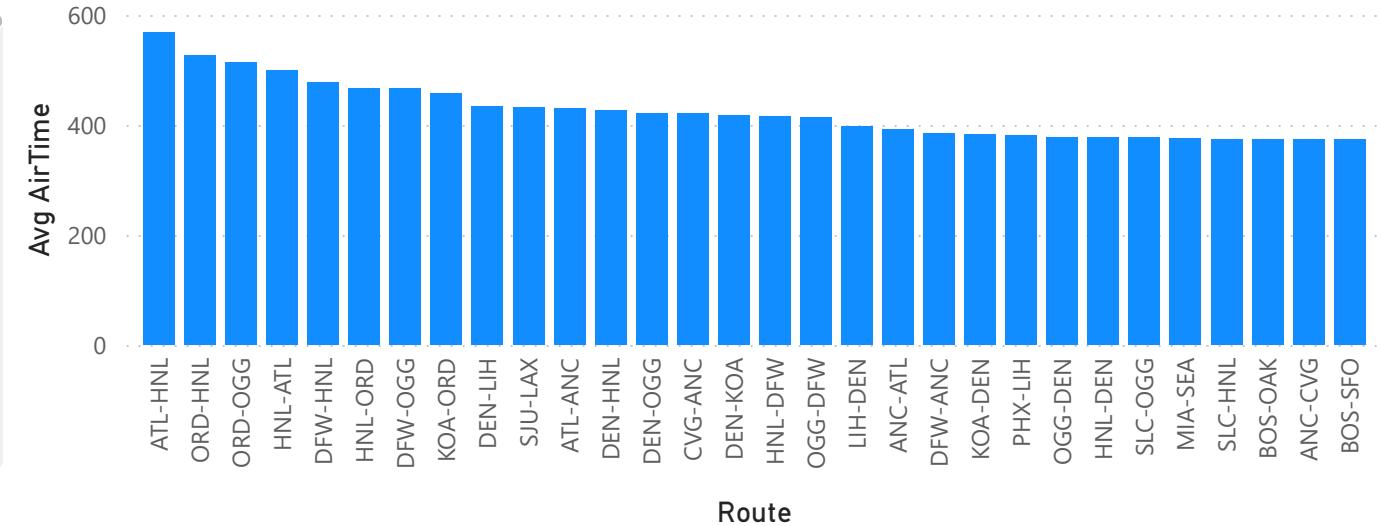
Avg TaxiOut

# Dashboard C — Route & Airport-level (performance per route/airport)

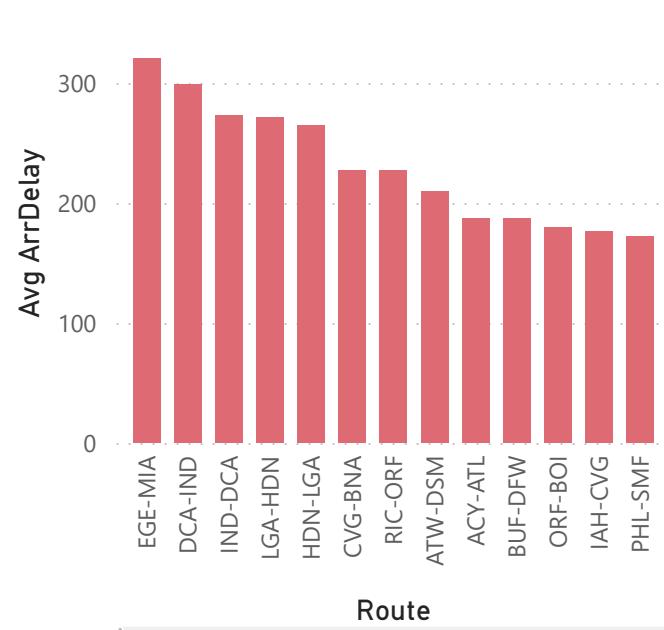
Total Flights by Origin



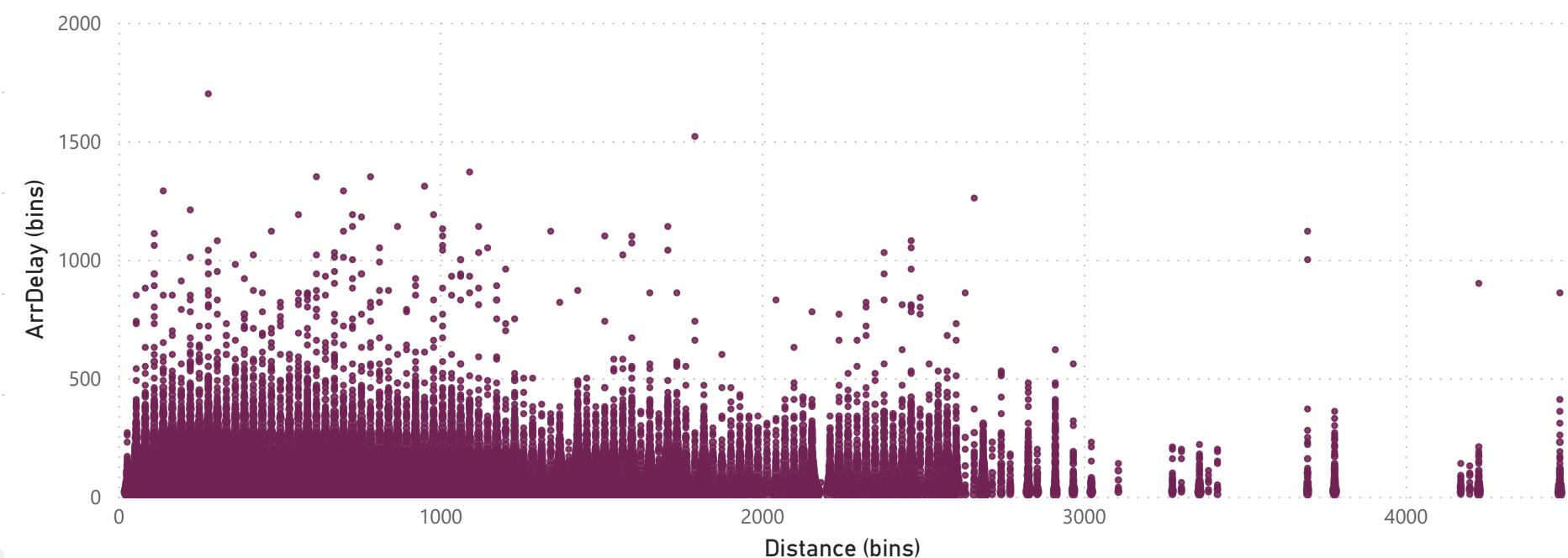
Avg AirTime by Route



Avg ArrDelay by Route

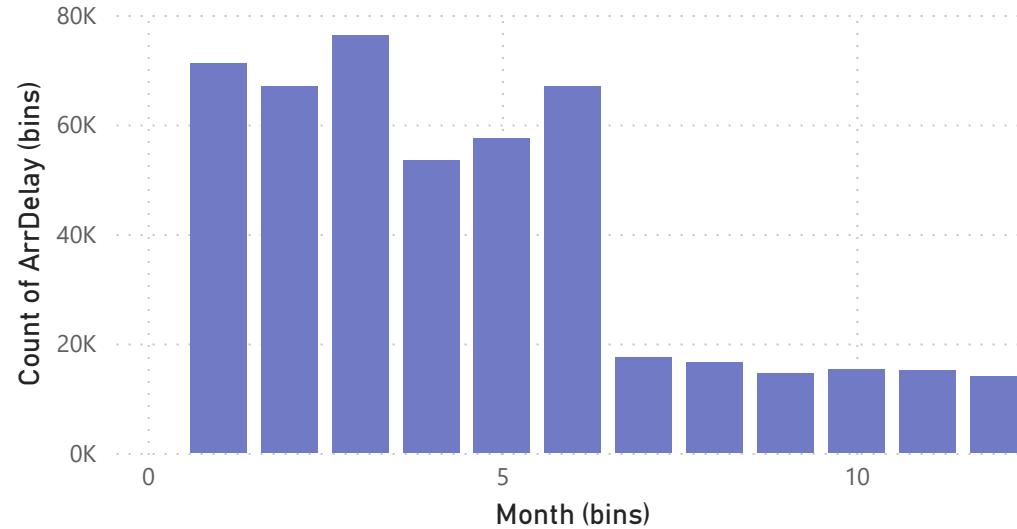


Total Flights by Distance (bins) and ArrDelay (bins)

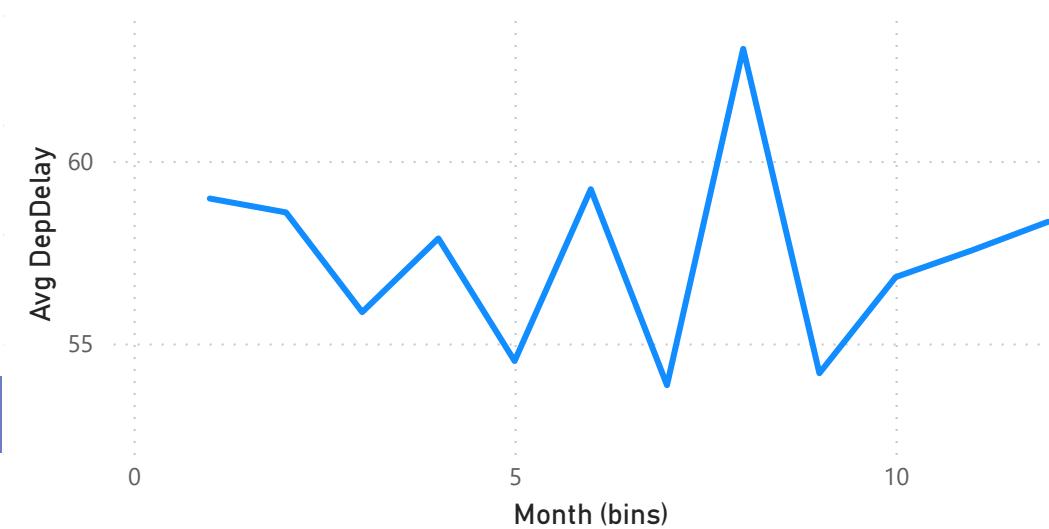


# Dashboard D – Seasonal & Temporal Trends

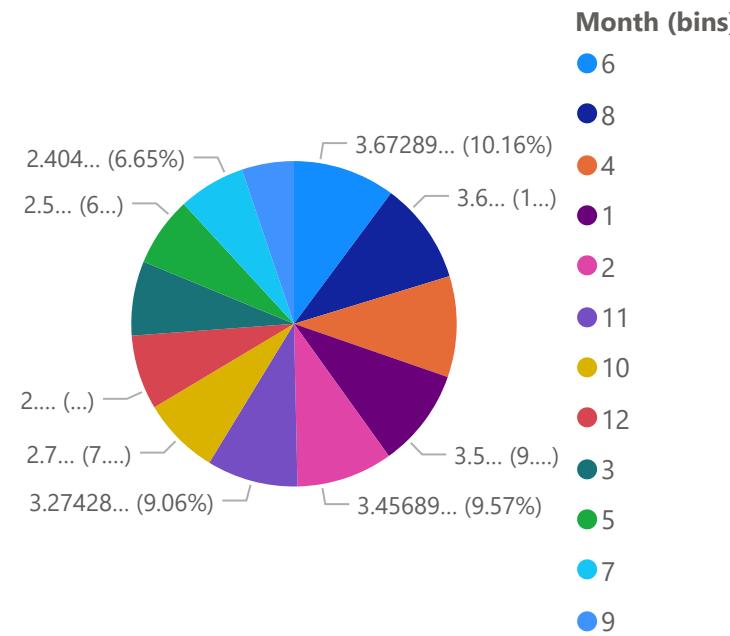
Count of ArrDelay (bins) by Month (bins)



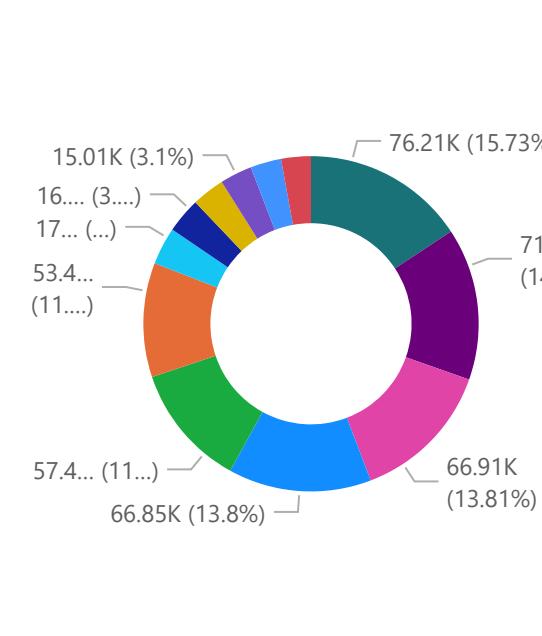
Avg DepDelay by Month (bins)



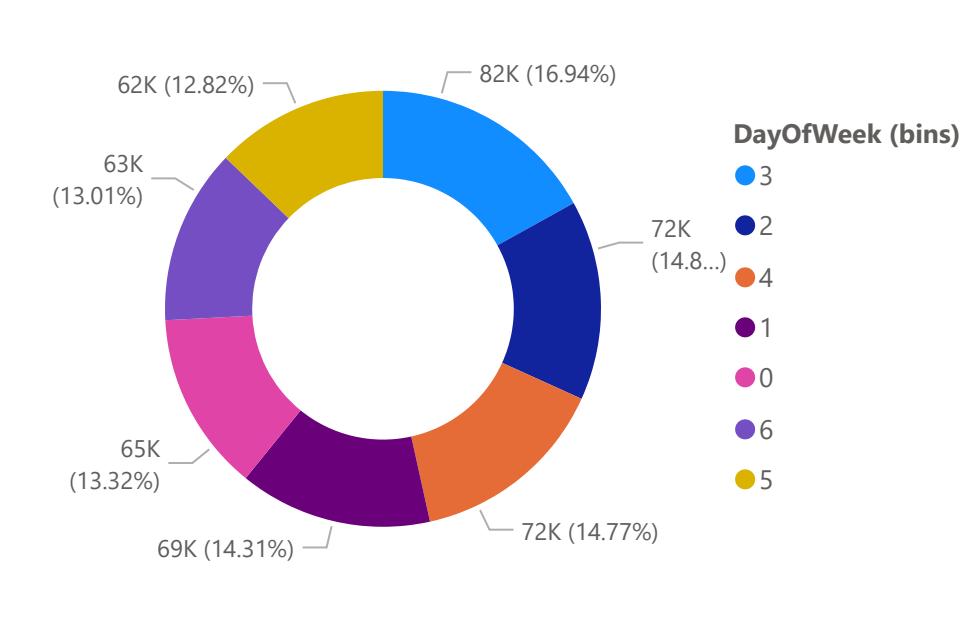
Avg WeatherDelay by Month (bins)



Count of Distance (bins) by Month (bins)

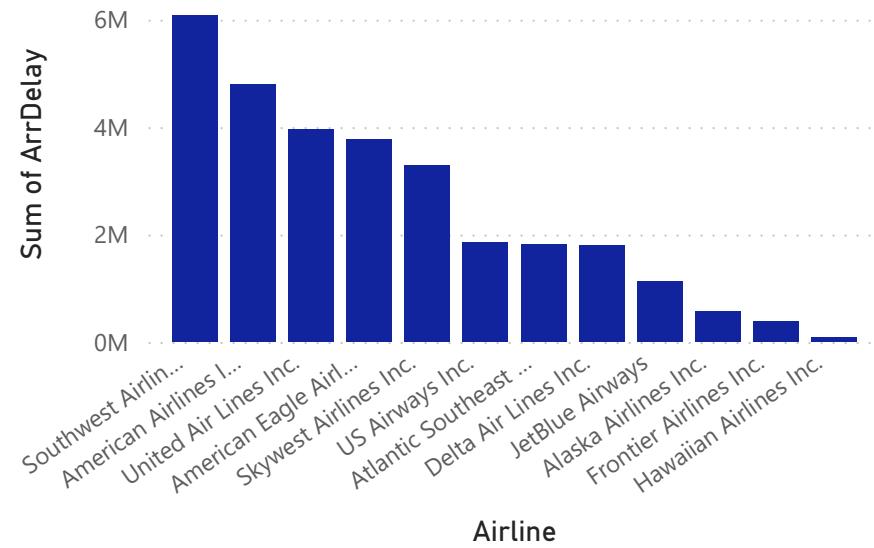


Total Flights by DayOfWeek (bins)

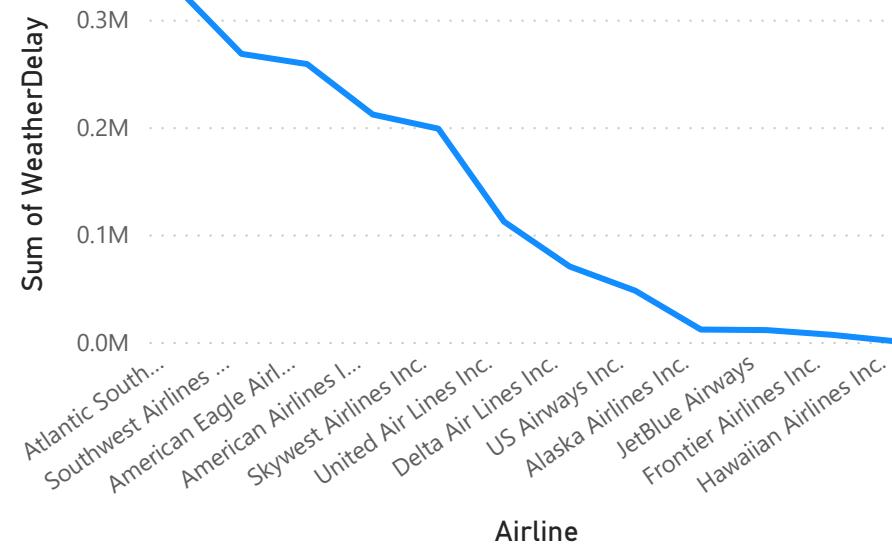


# Dashboard E – Airline Performance Overview

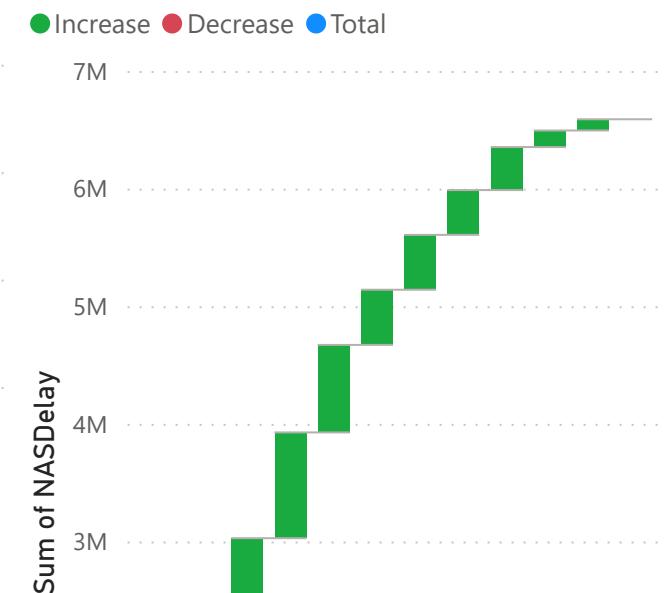
Sum of ArrDelay by Airline



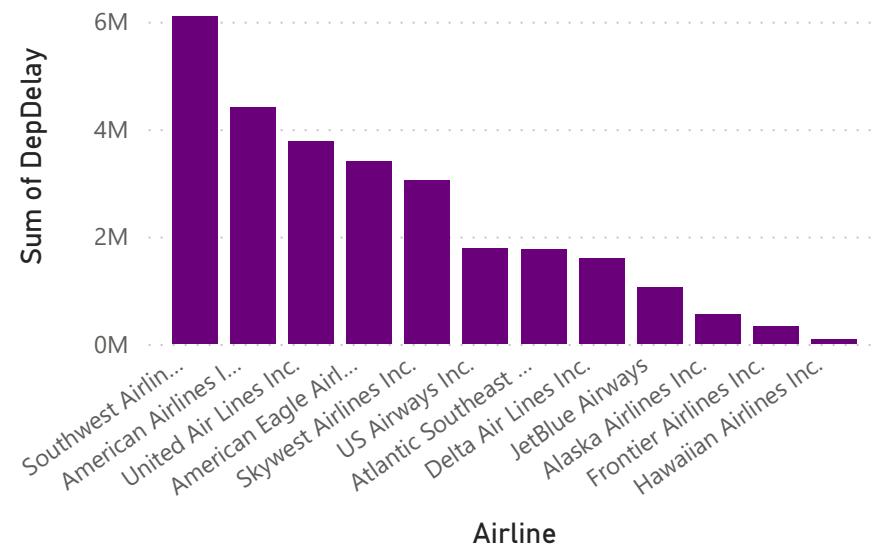
Sum of WeatherDelay by Airline



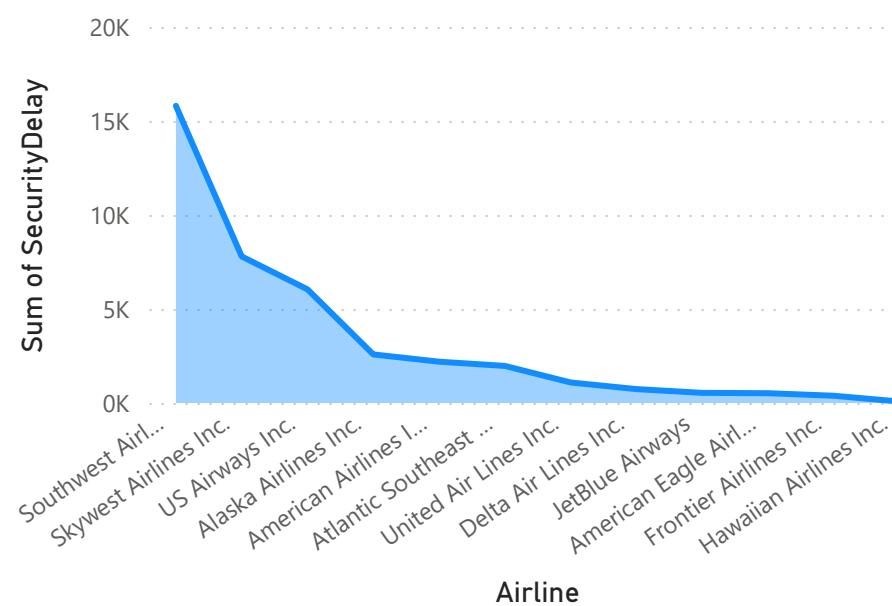
Sum of NASDelay by Airline



Sum of DepDelay by Airline



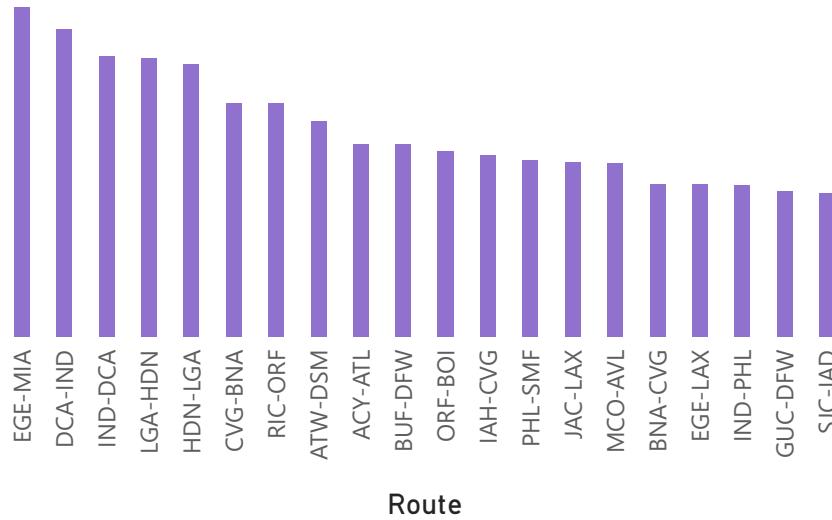
Sum of SecurityDelay by Airline



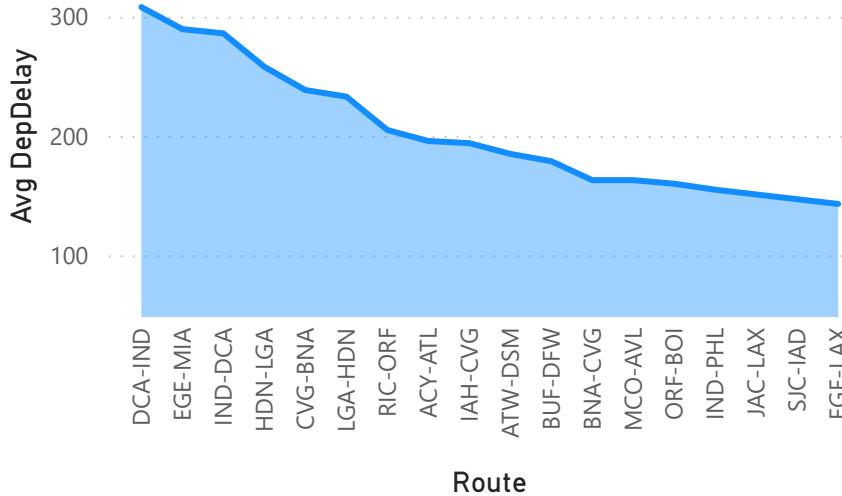
Legend: Increase (Green), Decrease (Red), Total (Blue)

# Dashboard F – Route & Airport Analysis

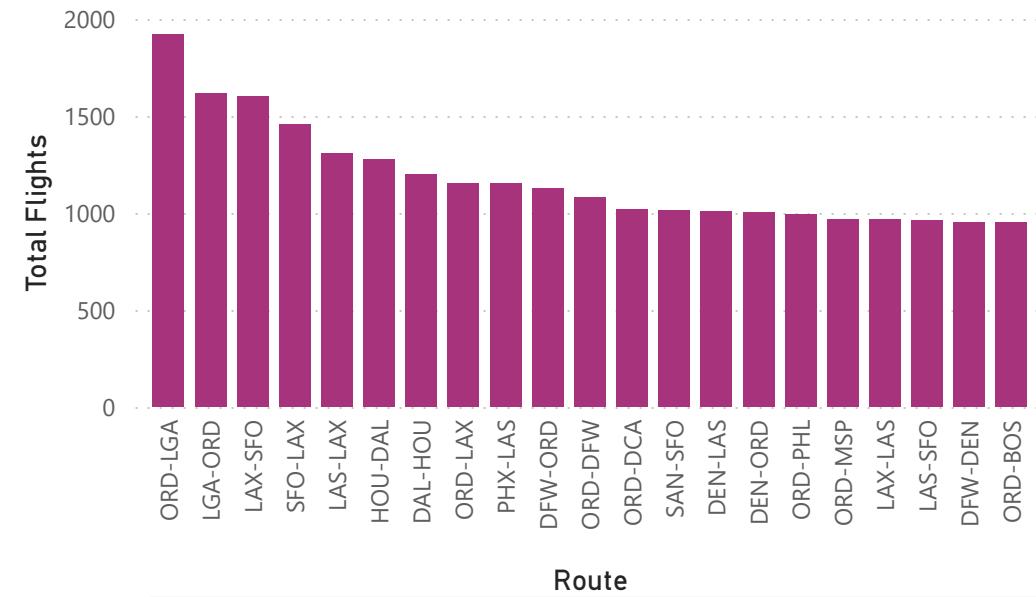
Avg ArrDelay by Route



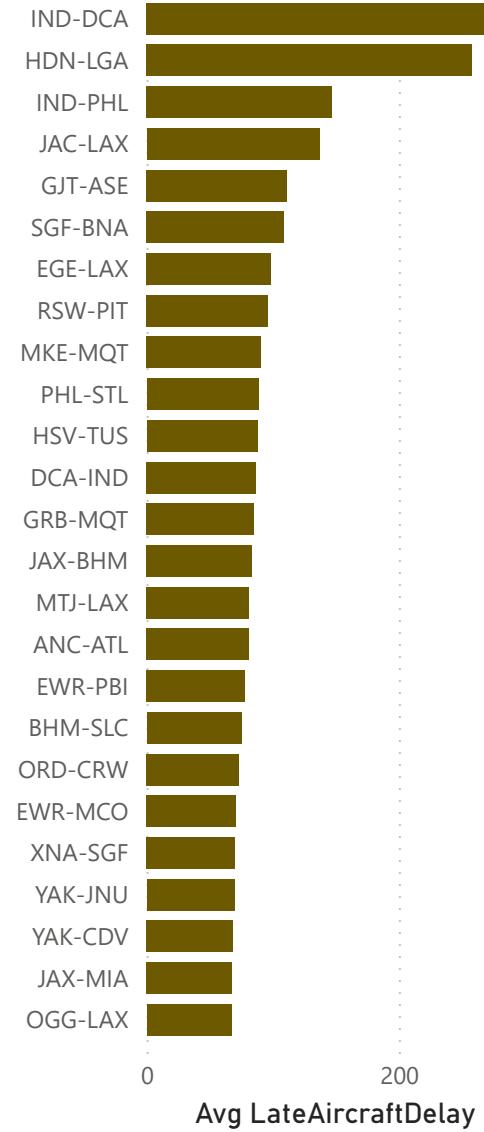
Avg DepDelay by Route



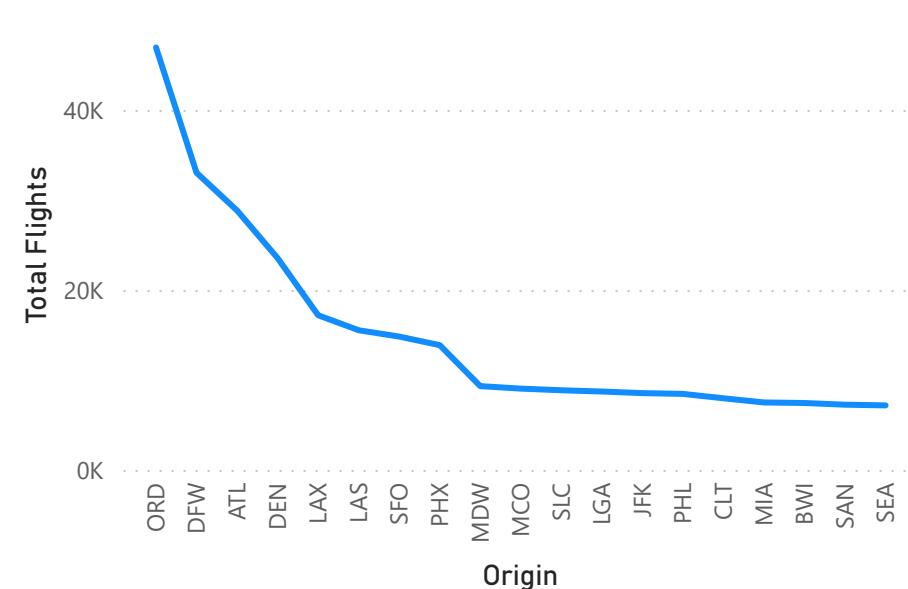
Total Flights by Route



Avg LateAircraftDelay by Route

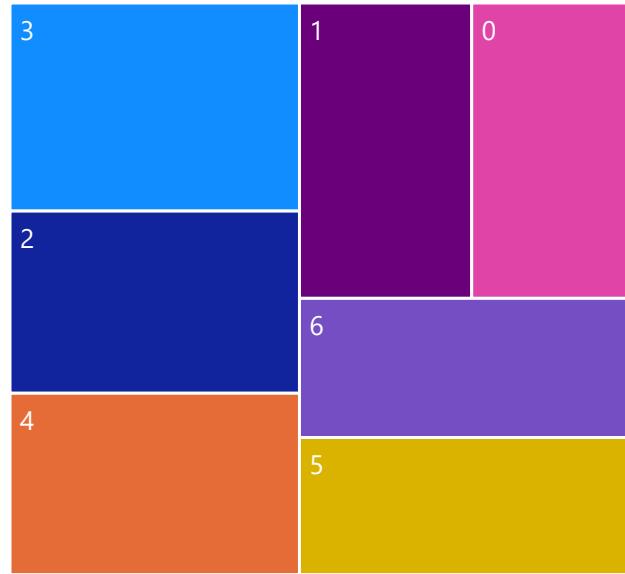


Total Flights by Origin

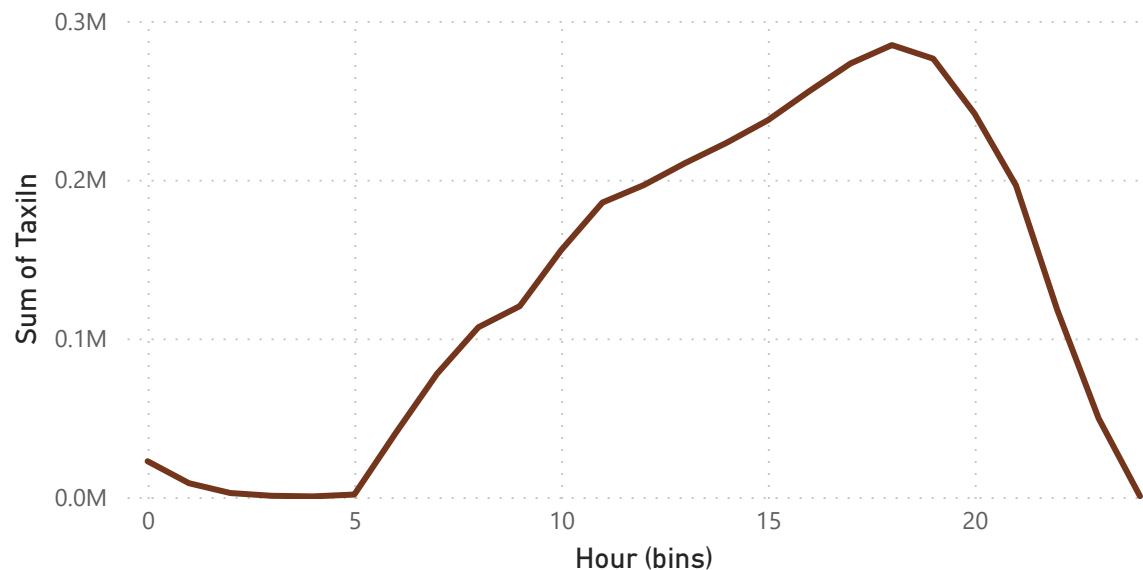


# Dashboard G – Time-of-Day Operations

Total Flights by DayOfWeek (bins)



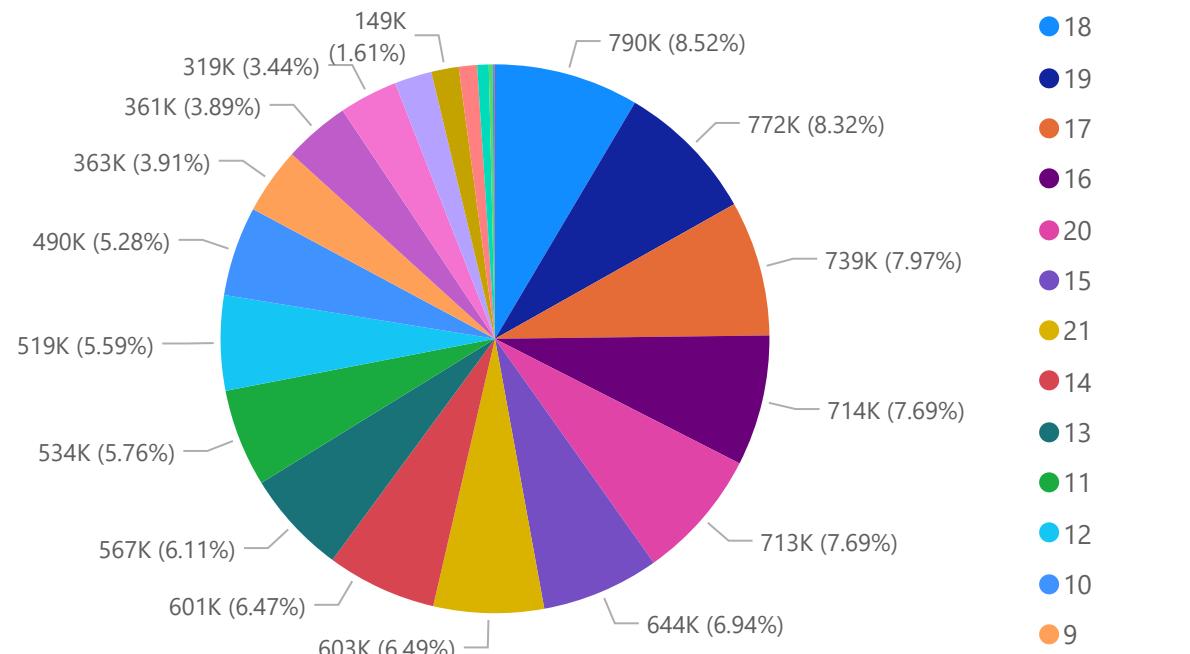
Sum of TaxiIn by Hour (bins)



DayOfWeek (bins)	Avg DepDelay
0	59.69
1	57.99
2	56.40
3	57.39
4	55.29
5	58.77
6	57.37
<b>Total</b>	<b>57.50</b>

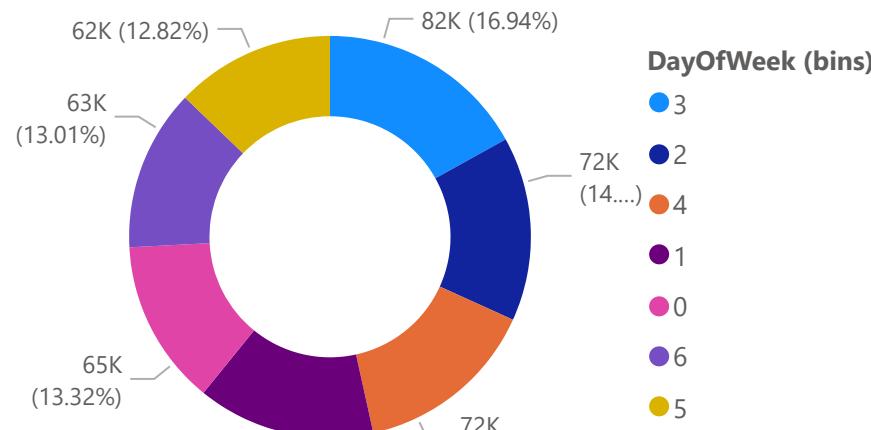
DayOfWeek (bins)	Avg ArrDelay
0	64.12
1	61.39
2	59.63
3	61.34
4	57.91
5	62.23
6	60.09
<b>Total</b>	<b>60.91</b>

Sum of TaxiOut by Hour (bins)

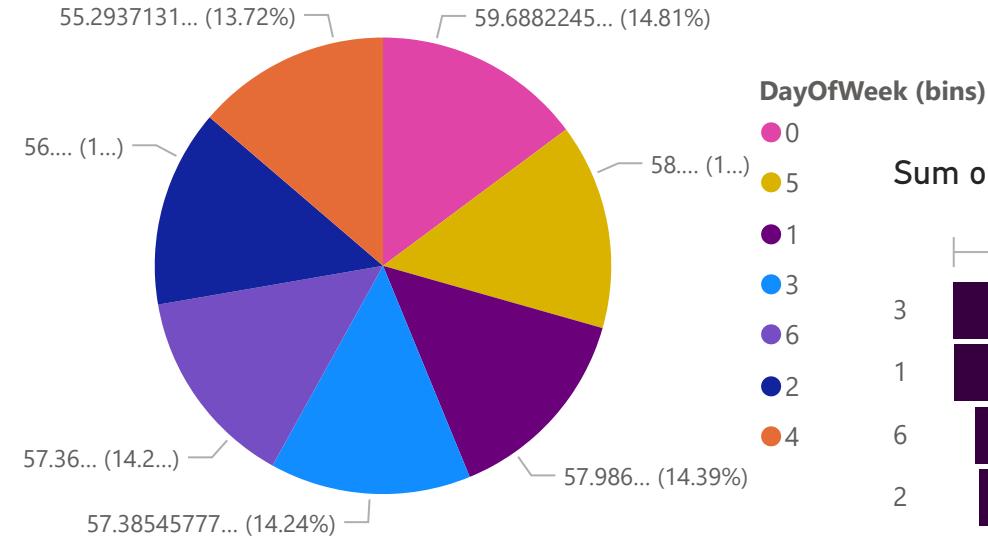


# Dashboard H – Day & Month Trends

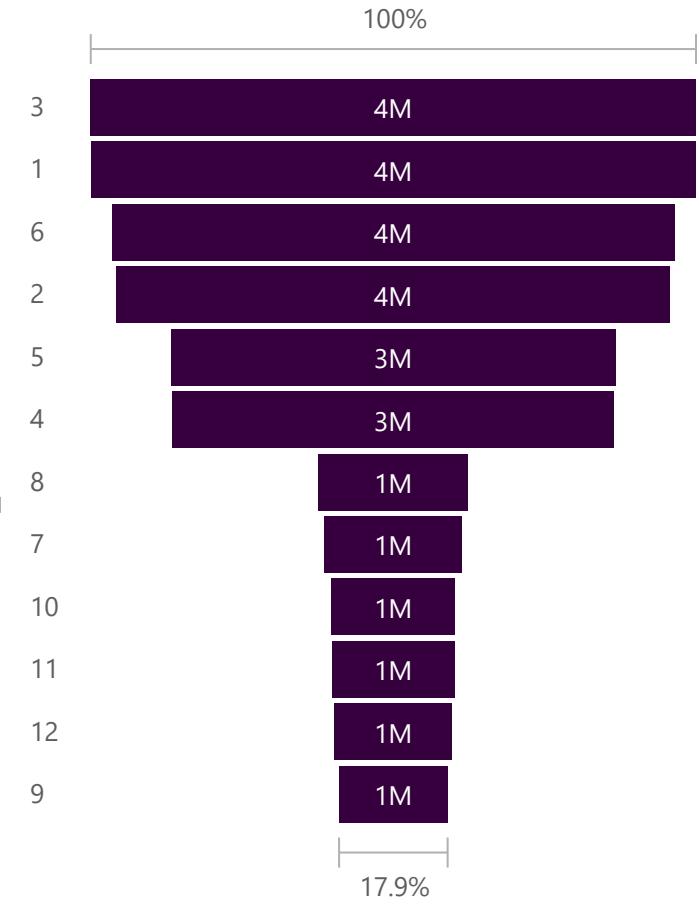
Total Flights by DayOfWeek (bins)



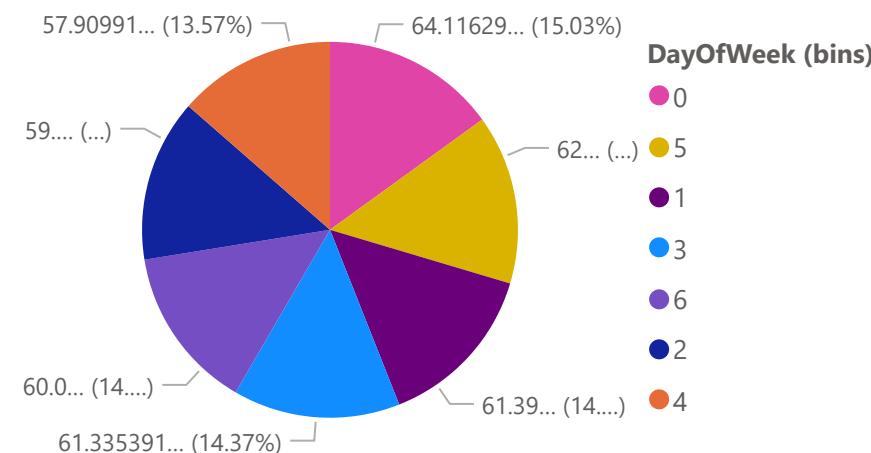
Avg DepDelay by DayOfWeek (bins)



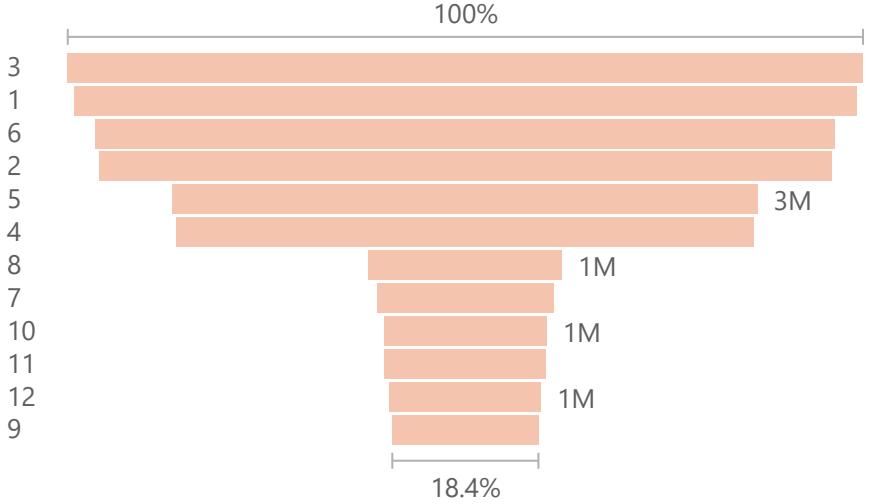
Sum of ArrDelay by Month (bins)



Avg ArrDelay by DayOfWeek (bins)

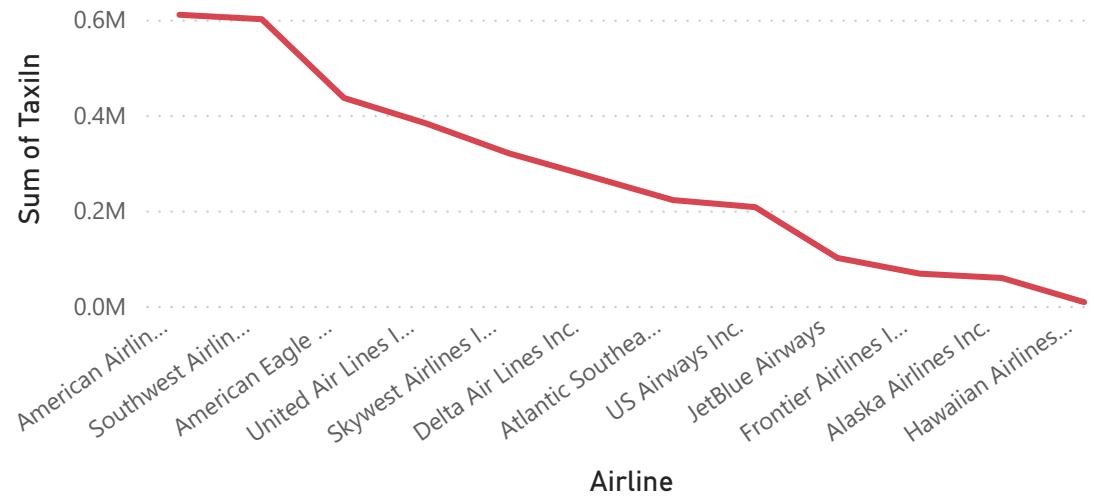


Sum of DepDelay by Month (bins)

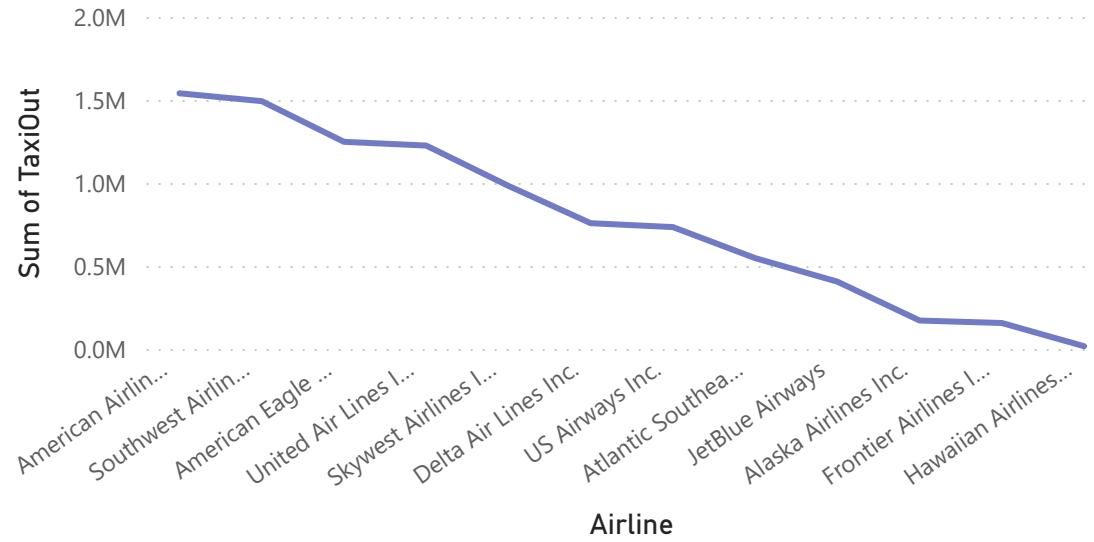


# Dashboard I – Operational Efficiency

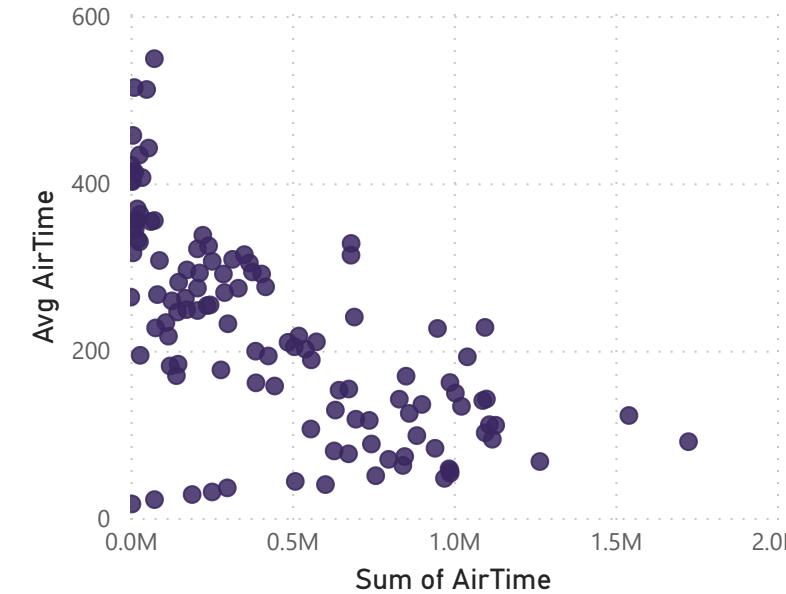
Sum of TaxiIn by Airline



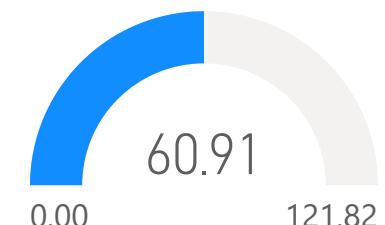
Sum of TaxiOut by Airline



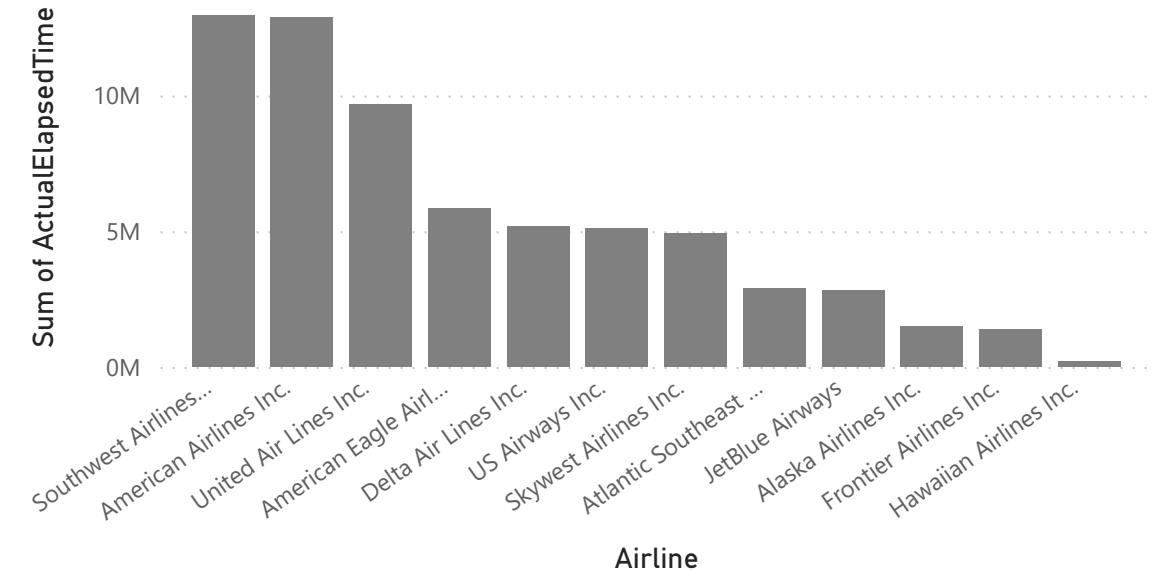
Sum of AirTime and Avg AirTime by Distance (bins)



Avg ArrDelay

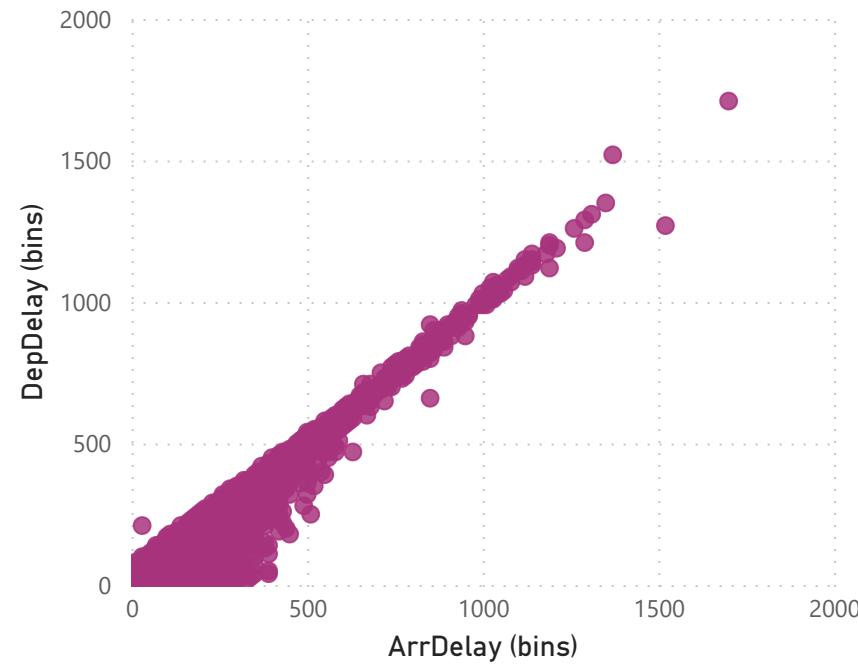


Sum of ActualElapsedTime by Airline

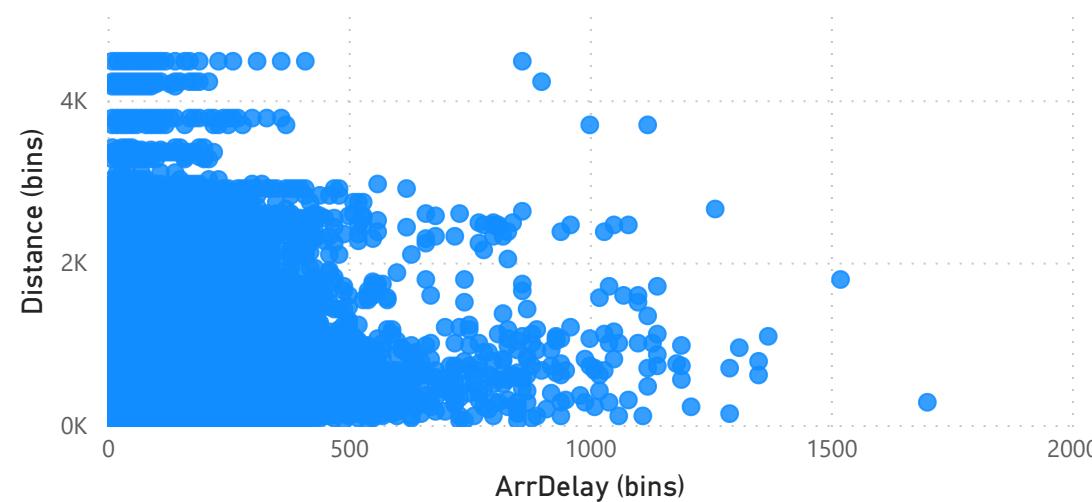


# Dashboard J – Delay Correlations

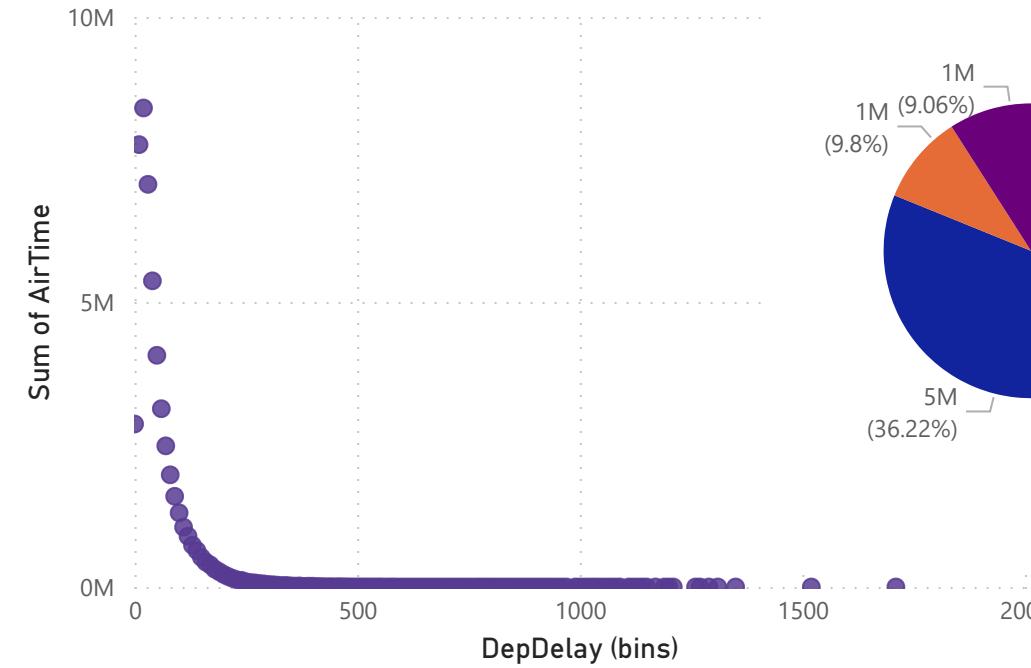
ArrDelay (bins) and DepDelay (bins)



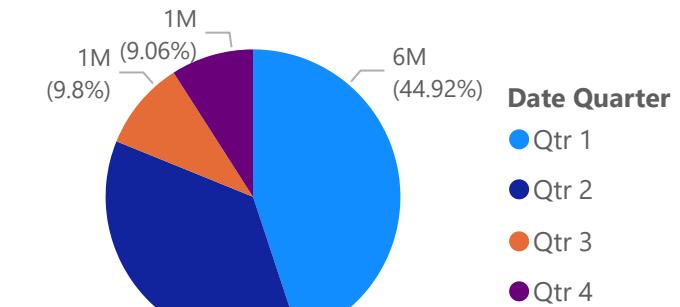
ArrDelay (bins) and Distance (bins)



Sum of AirTime by DepDelay (bins)



Sum of LateAircraftDelay by Quarter



Sum of WeatherDelay by Quarter

