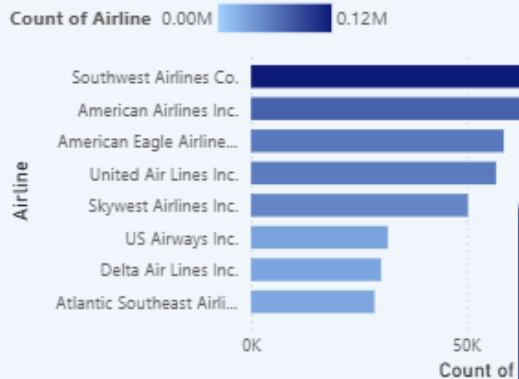


# WEEK – 7

## Airline analysis

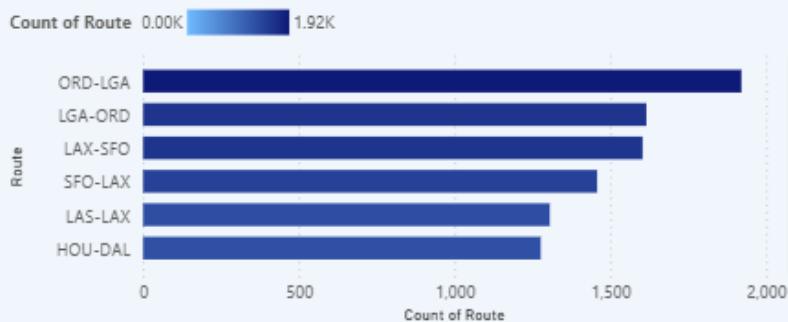
### Top airlines by no of flights



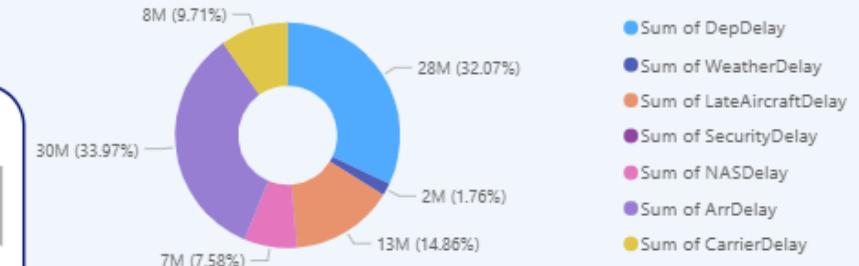
### Filter by Airline

- Airline
- Alaska Airlines Inc.
  - American Airlines Inc.
  - American Eagle Airlines Inc.
  - Atlantic Southeast Airlines
  - Delta Air Lines Inc.

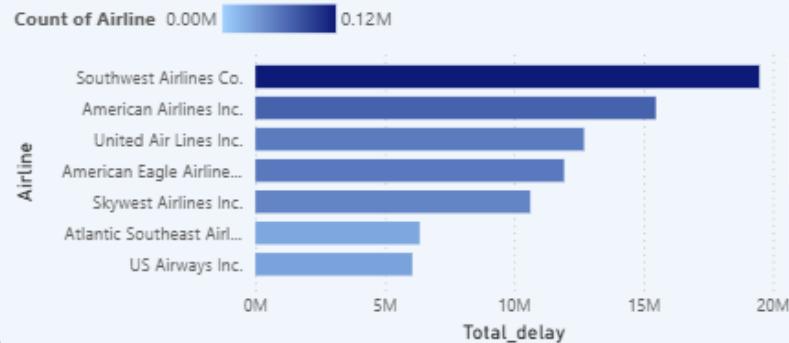
### Top routes



### Overall proportion of delay causes



### Total\_delay by Airline



# DELAY ANALYSIS

**485K**

TOT\_flights

**60.91**

Average of ArrDelay

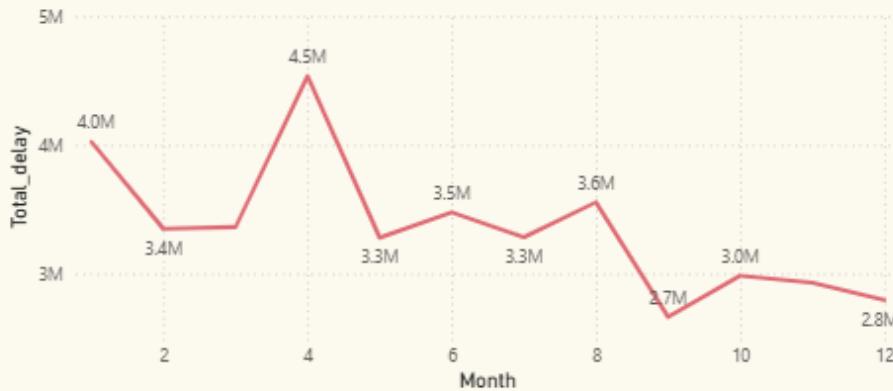
**57.50**

Average of DepDelay

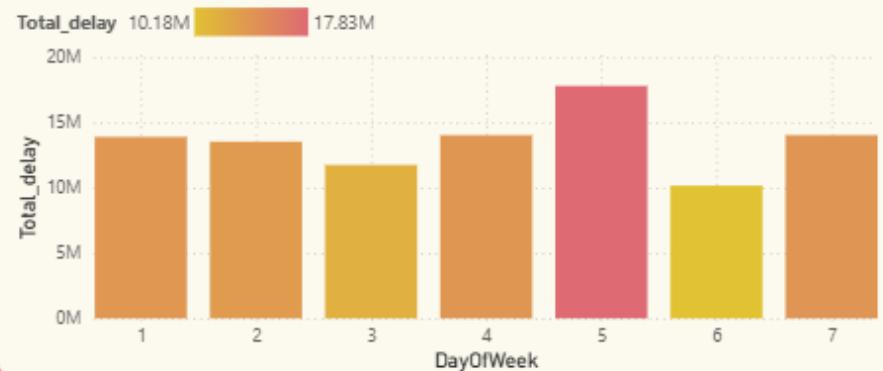
## specific Delays for top 10 most delayed airlines

Airline	Sum of CarrierDelay	Sum of ArrDelay	Sum of SecurityDelay	Sum of WeatherDelay
Alaska Airlines Inc.	213970	575576	2583	113
American Airlines Inc.	1465736	4801746	2197	211
American Eagle Airlines Inc.	989652	3772945	521	258
Atlantic Southeast Airlines	963694	1812756	1972	330
Delta Air Lines Inc.	600519	1791817	739	70
JetBlue Airways	213946	1119565	539	110
Skywest Airlines Inc.	1012037	3284415	7795	198
Southwest Airlines Co	1225101	6075277	15806	268
<b>Total</b>	<b>8255473</b>	<b>29054377</b>	<b>39287</b>	<b>15208</b>

## Average Delay over Time(Months)



## Total\_delay by DayOfWeek

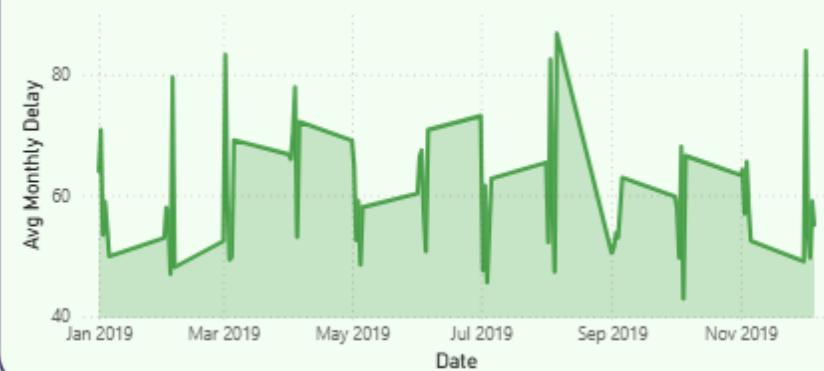


# Delay Behavior Analysis

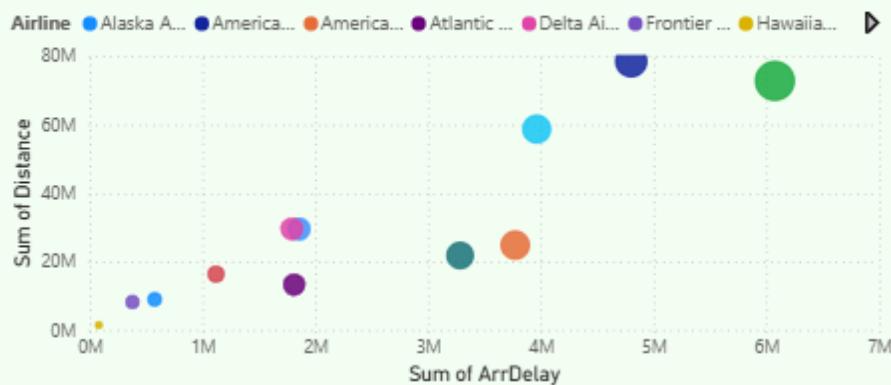
CRSArrTime vs CRSElapsedTime vs Total\_delay by Airline



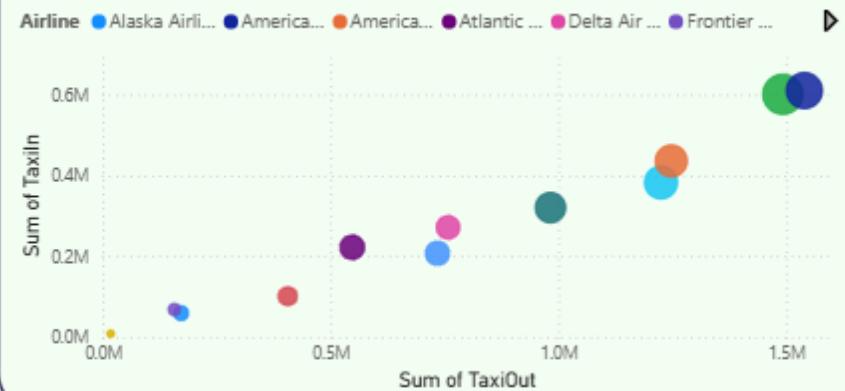
Delay Trends by Month/Quarter Across Years



Distance vs Delay



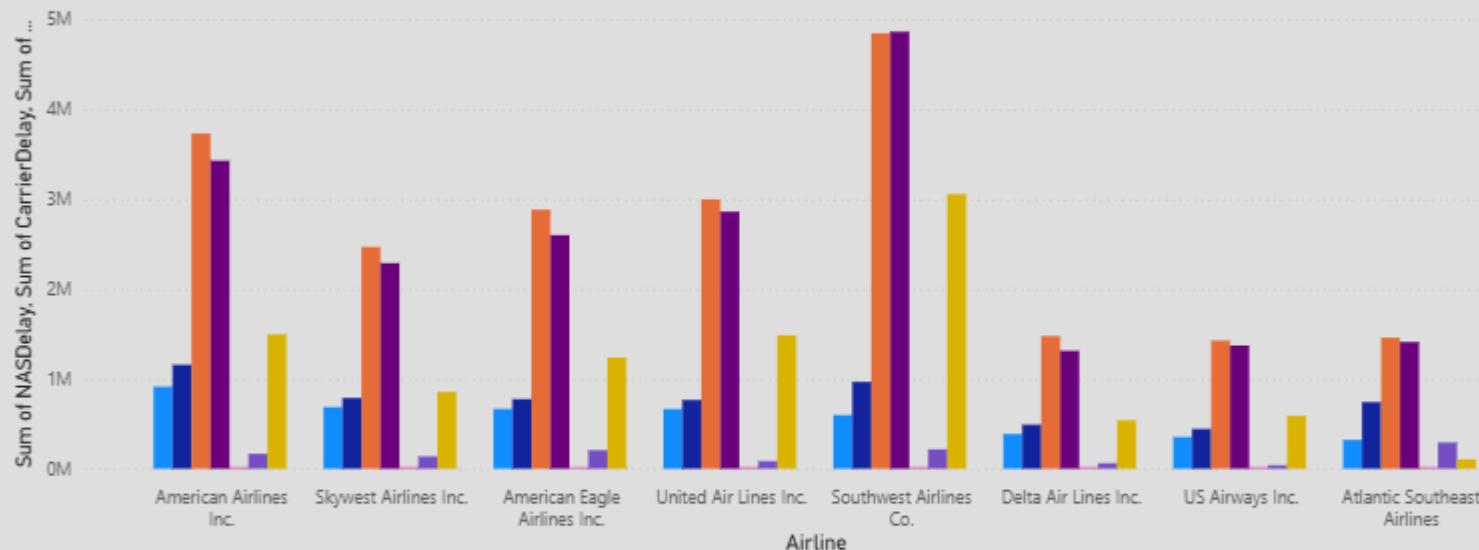
TaxiOut vs TaxIn vs Total Delay



# Interactive dashboard for delay analysis for top delayed airlines

Different delays in top 8 most delayed airports

● Sum of NASDelay ● Sum of CarrierDelay ● Sum of ArrDelay ● Sum of DepDelay ● Sum of SecurityDelay ● Sum of WeatherDelay ● Sum of LateAircraftDelay



DayOfWeek

Month