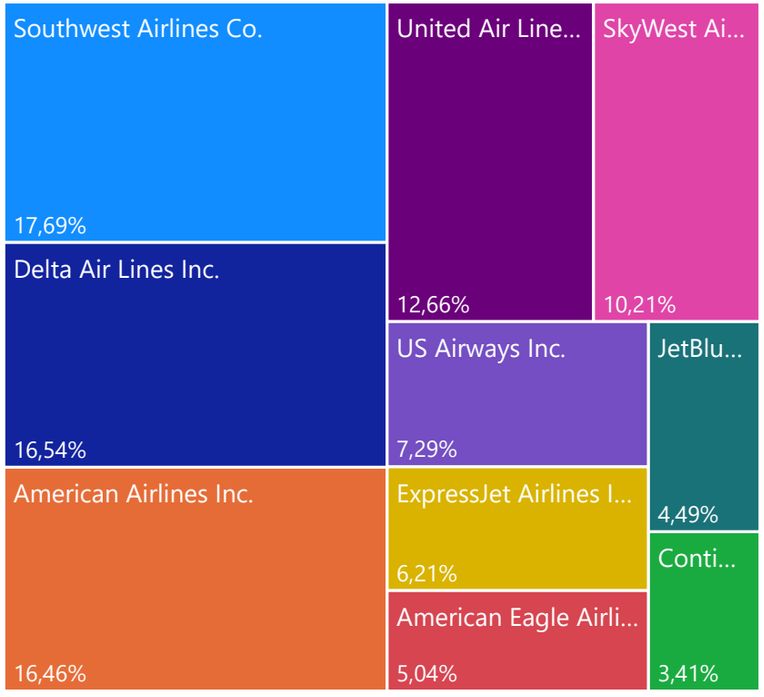
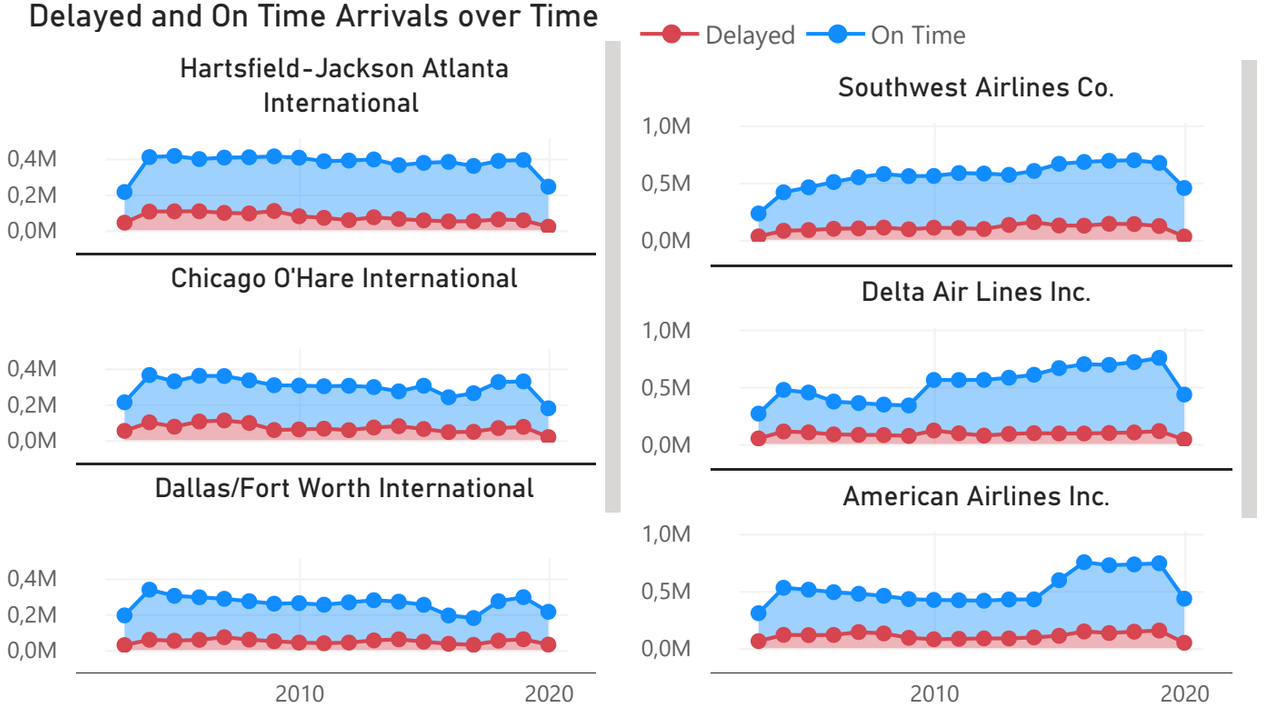
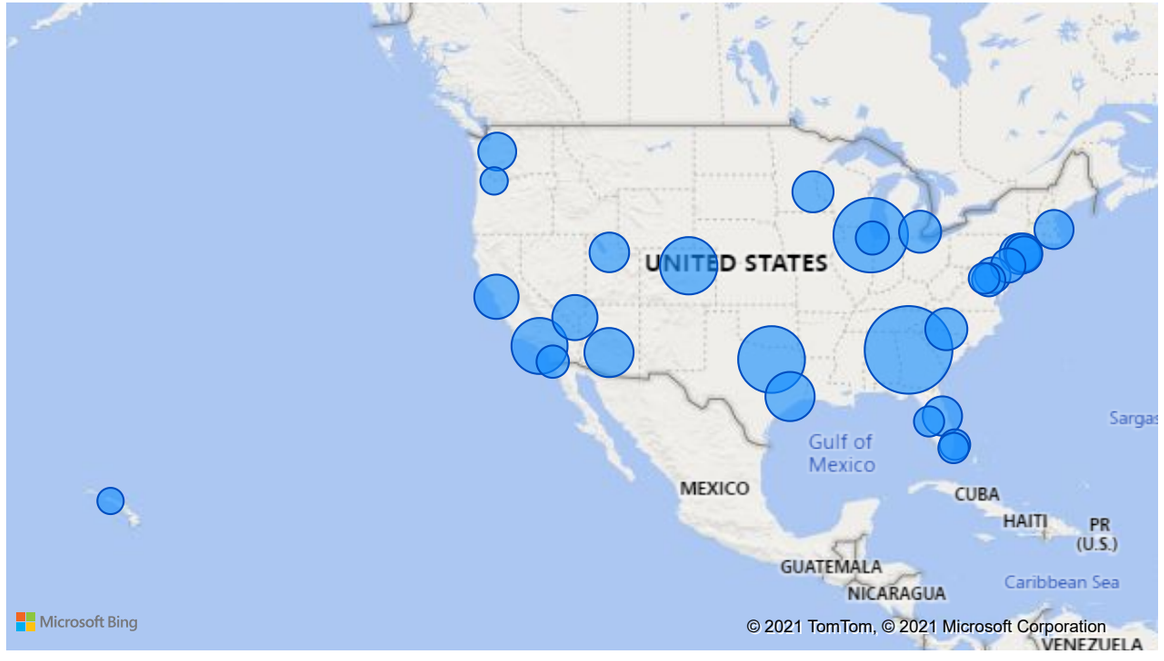
73M
Arrivals

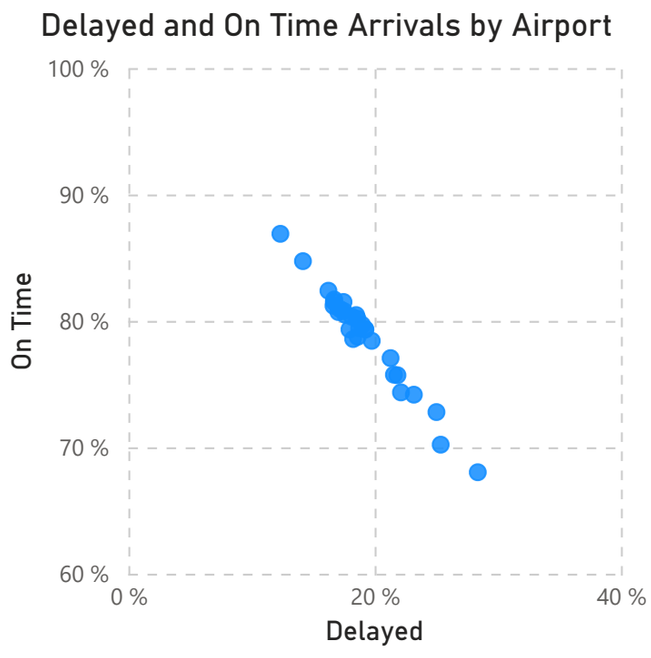
57M
On Time

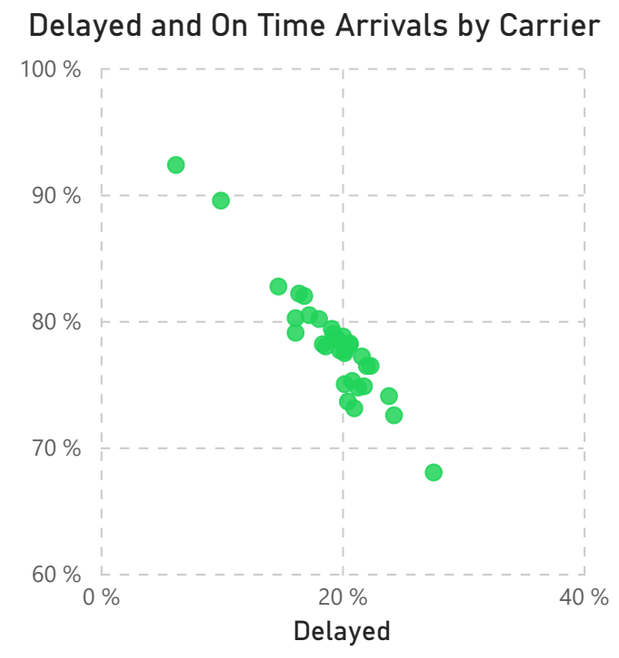
14M
Delayed











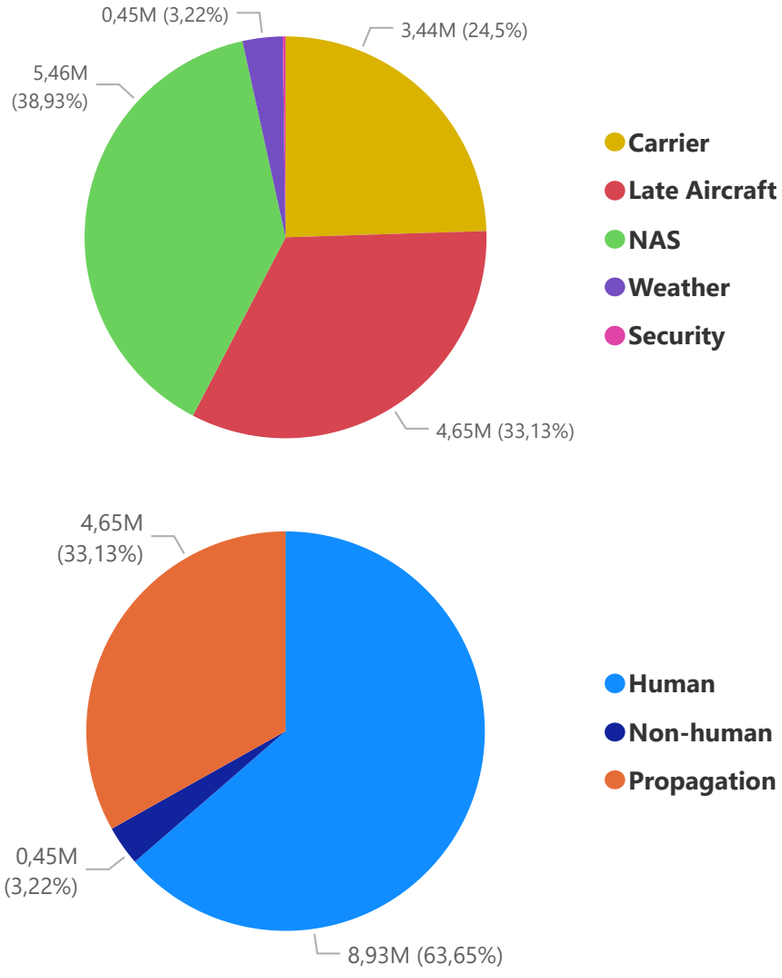
73M
Arrivals

78,62 % On Time

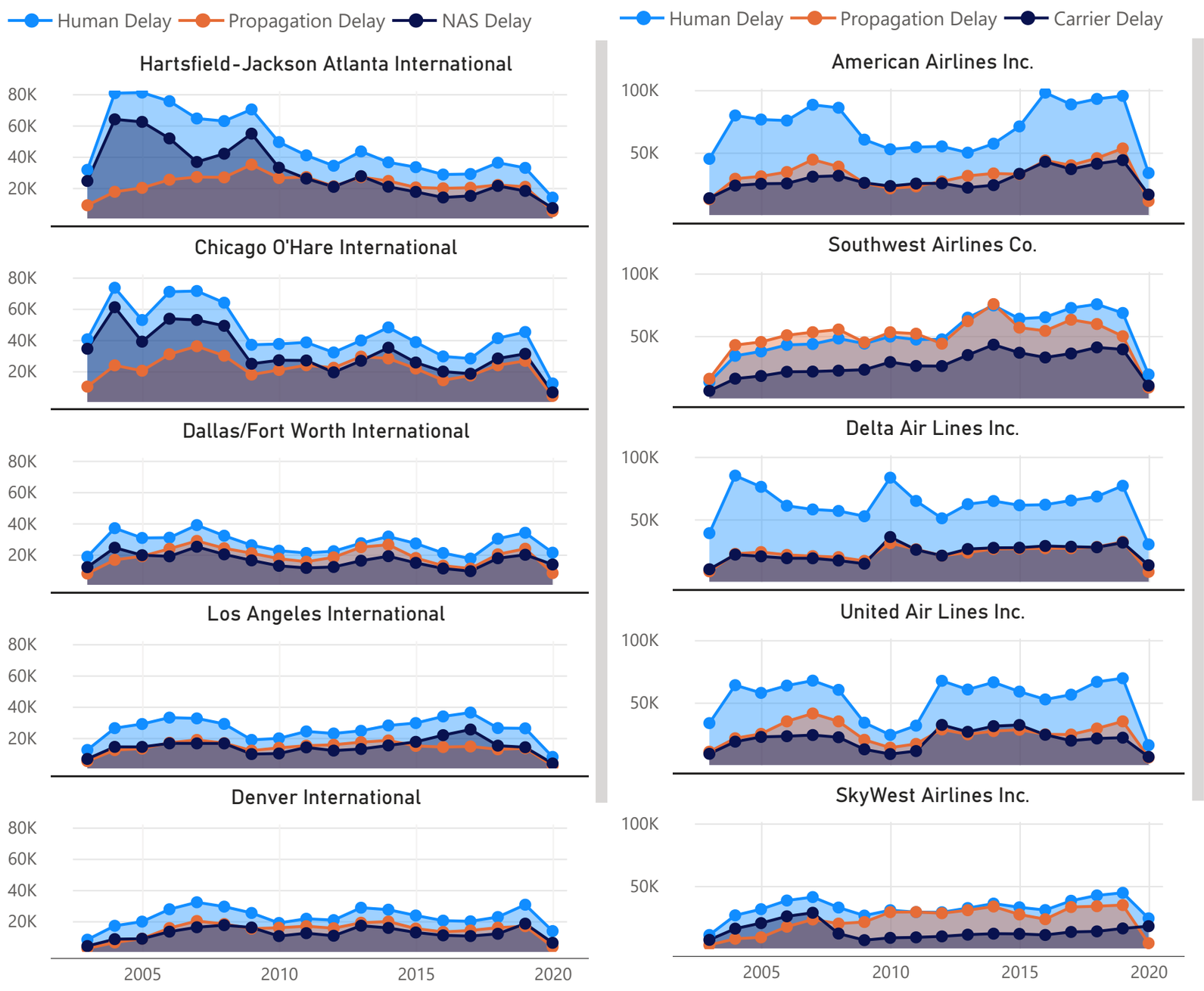
19,27 % Delayed

1,88 % Cancelled

0,23 % Diverted



Human, Non-human, and Propagation Delays over Time



14M
Delayed Flights

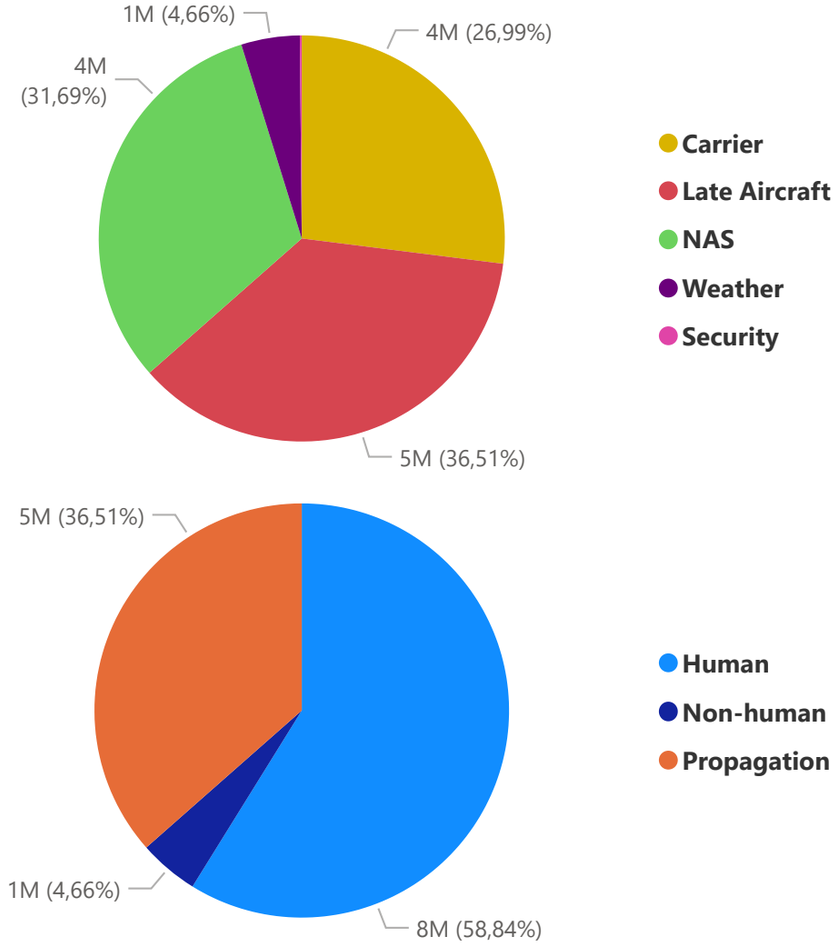
14M
Delayed Hours

Average Delay in Minutes

55
due to NAS or the carrier

65
due to late aircraft

86
due to weather

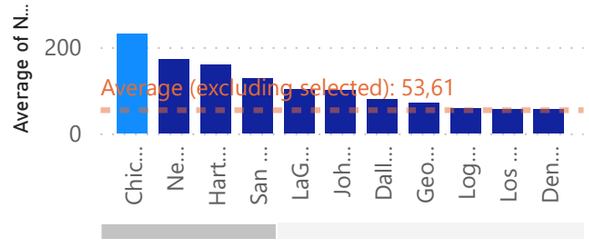


Key influencers

What influences NAS Delay to Increase ?

When...	....the average of NAS Delay increases by
Airport is Chicago O'Hare International	184,4
Airport is Newark Liberty International	127,4
Airport is San Francisco International	72,2

NAS Delay is more likely to increase when Airport is Chicago O'Hare International than otherwise (on average).



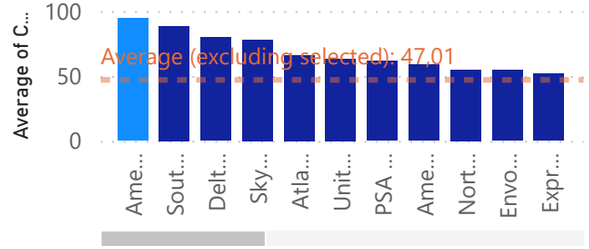
Only show values that are influencers

Key influencers

What influences Carrier Delay to Increase ?

When...	....the average of Carrier Delay increases by
Carrier is American Airlines Inc.	47,68
Carrier is Southwest Airlines Co.	40,59
Carrier is SkyWest Airlines Inc.	33,97

Carrier Delay is more likely to increase when Carrier is American Airlines Inc. than otherwise (on average).



Only show values that are influencers

Random Forest Regressor

with an R2 Score = 0.9

4 Inputs

Year, month, carrier and airport

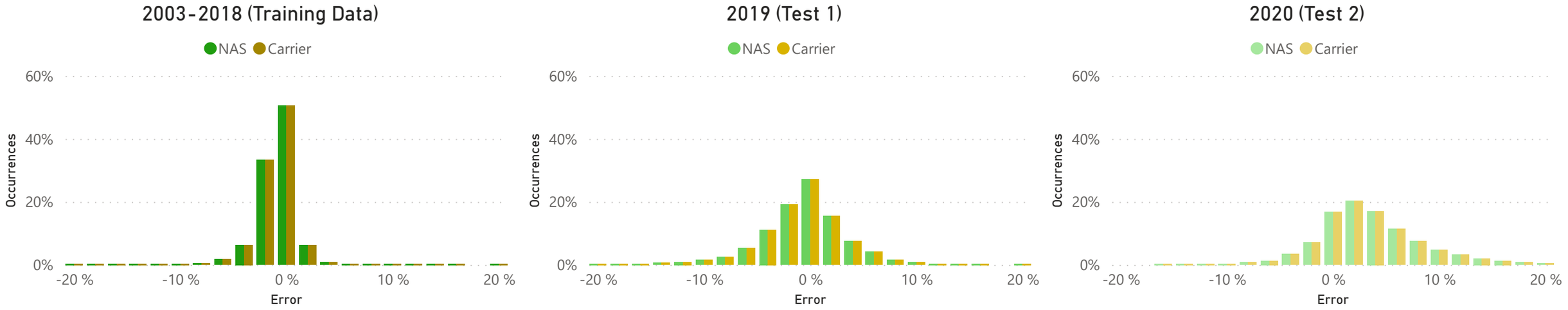
75 Features

Year(1), month(12), carrier(32), airport(30)

4 Outputs

NAS and Carrier Delay Rate and Time

Monthly Rate of Flights that experience NAS and Carrier Delays



Monthly Average Delay Time due to NAS and Carrier Delays