



U.S. FLIGHT DELAYS IN 2019-2020:

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Dimensions

3303 obs. | 23 var

DATA

1

Qualitative

Year

Month

Carrier

Airport

City

State

2

Quantitative

Arr_del15

Number of flights more
than 15 minutes late
followed by percentages

Carrier_ct

Weather_ct

NAS_ct

Late_aircraft_ct

Security_ct

Arr_delay

Sum of Total time
(minutes) of delayed flight

Carrier_delay

Weather_delay

NAS_delay

Late_aircraft_delay

Security_delay

Arr_cancelled

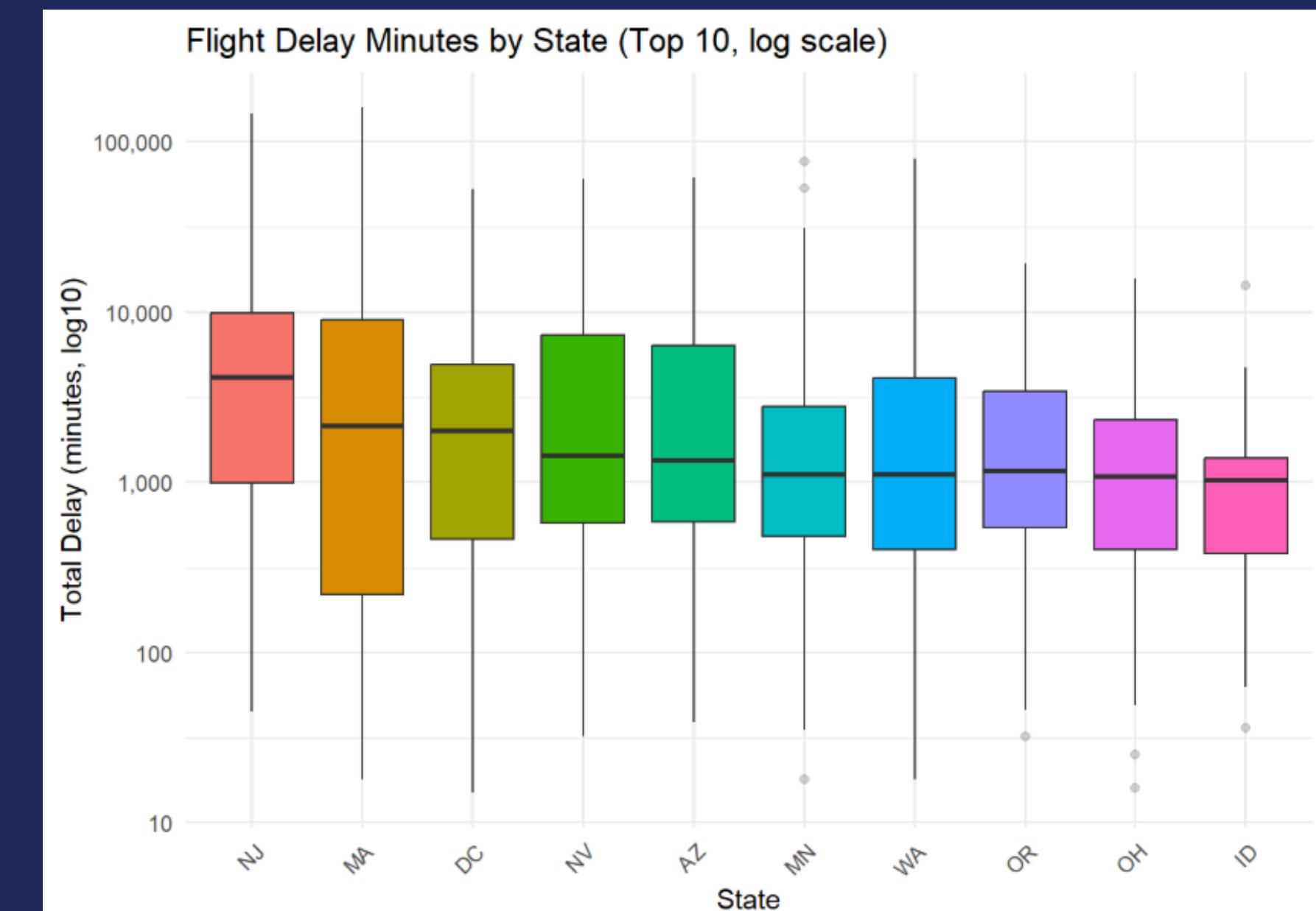
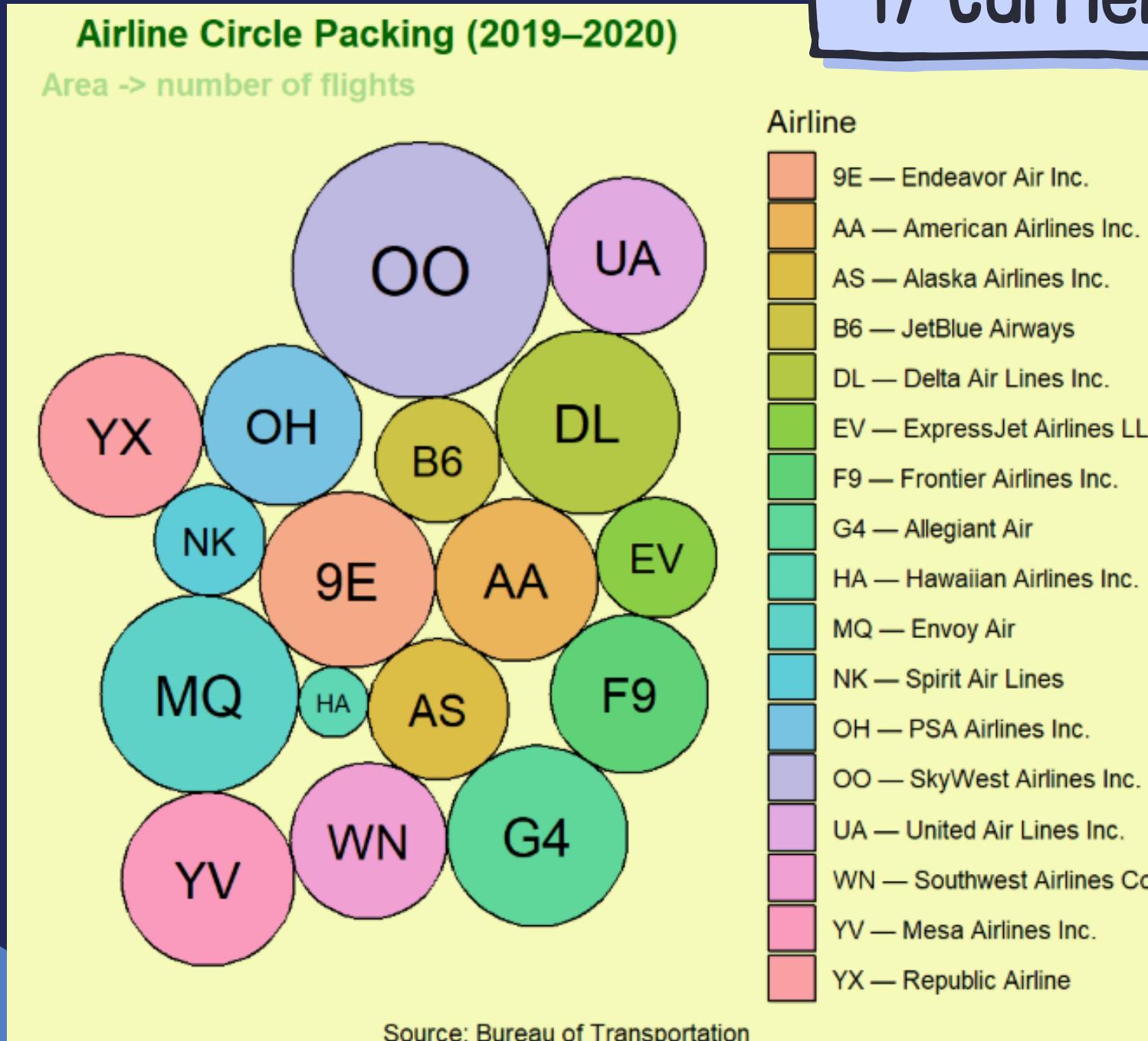
Arr_diverted

Cleaning

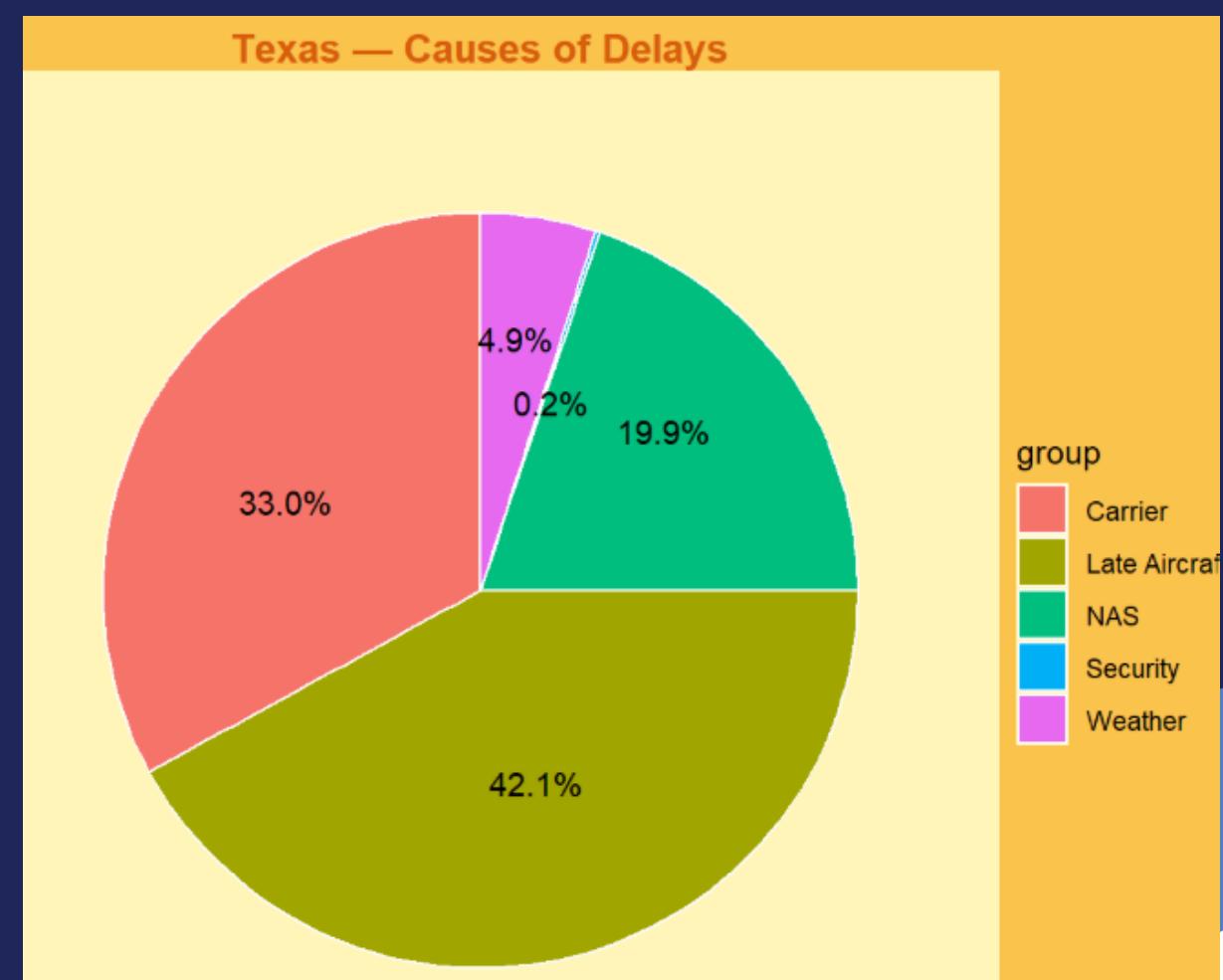
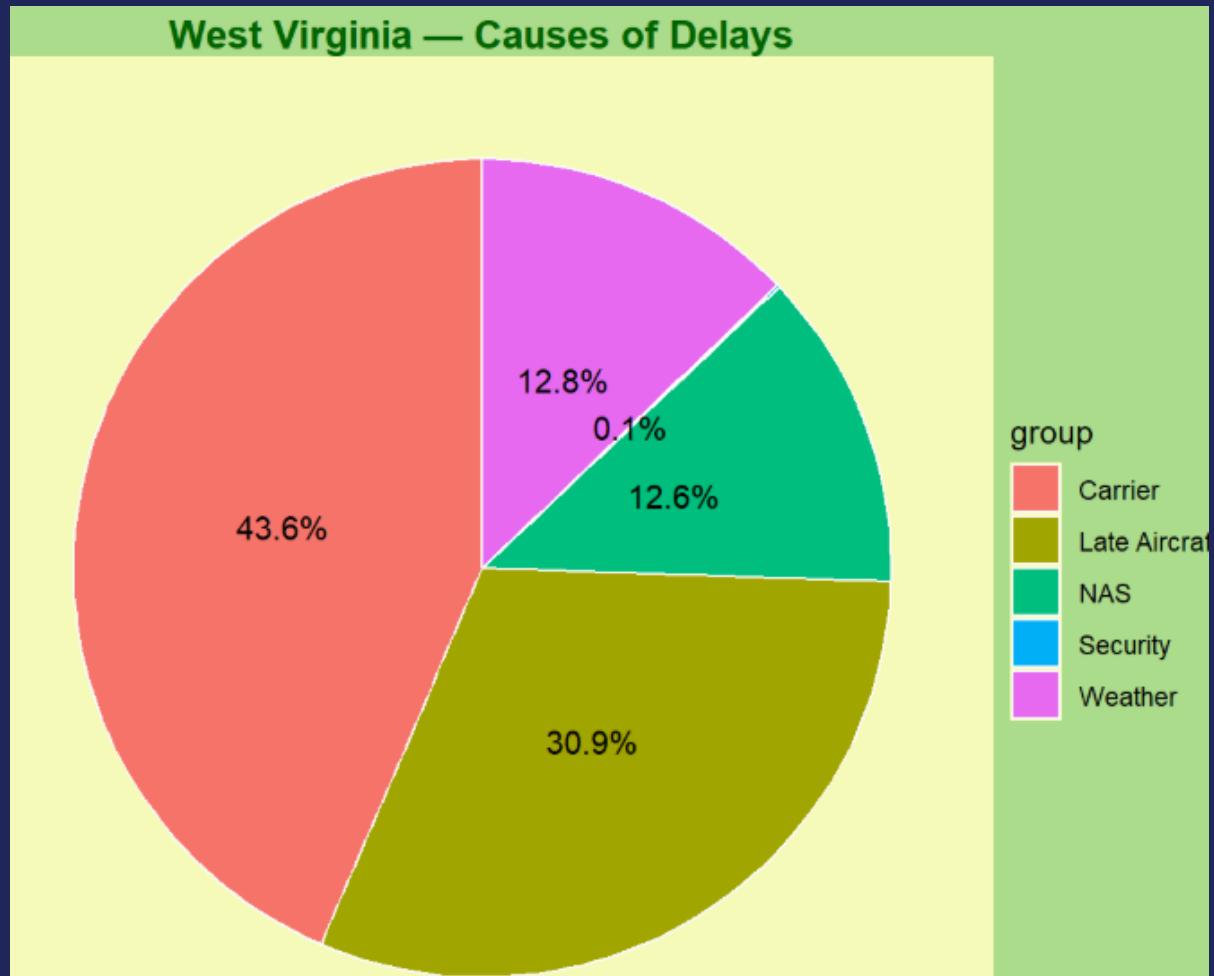
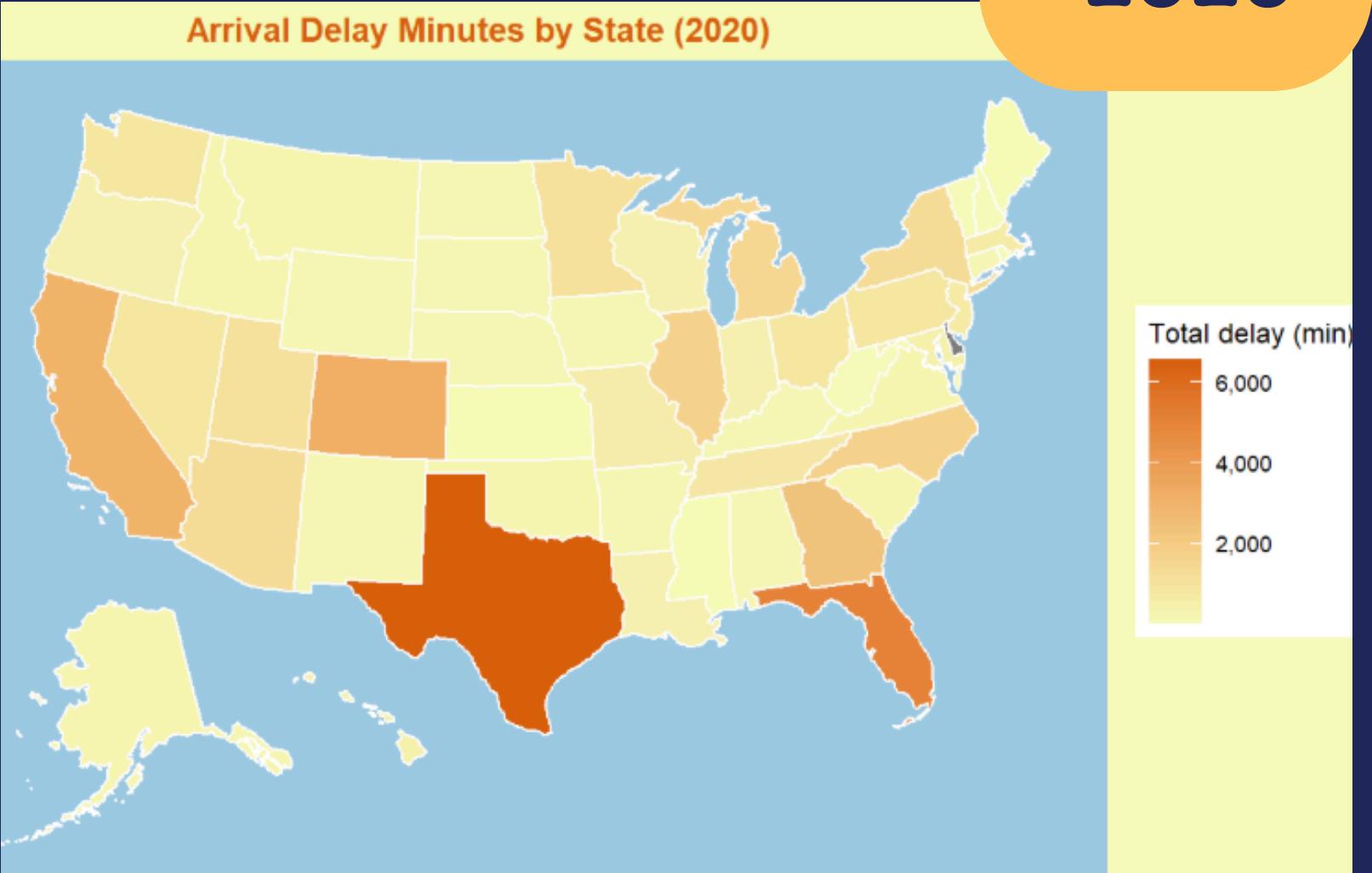
- Drop NA values
- Split Airport name
(city, State, airport)
- Filtered to valid 51 states
(50 + DC)

STATISTICS

17 Carriers



STATES OF INTEREST





RESULTS

No simple link between number of flights and number of delays (Envoy vs Southwest).

Big hub states like CA, TX, FL have the highest delay counts.

Causes of delay are dominated by carrier issues and late aircraft; NAS & weather matter most in busy or stormy states.

Questions Answered

1. Which airlines and states have the most delays?
2. How did delays change between 2019 and 2020?
3. Which causes drive those delays?

THANK
YOU

