

# US DOMESTIC AIRLINE FLIGHTS PERFORMANCE



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# STORY

**Task**: As a data analyst, monitor and report US Domestic Airline Flights Performance.

**Goal**: Analyze the performance of the reporting airline to improve flight reliability thereby improving customer reliability.

# INTERACTIVE WEB DASHBOARD

**US Domestic Airline Flights Performace**

**Report Type:**

**Choose Year:**

## 1. Report Type:

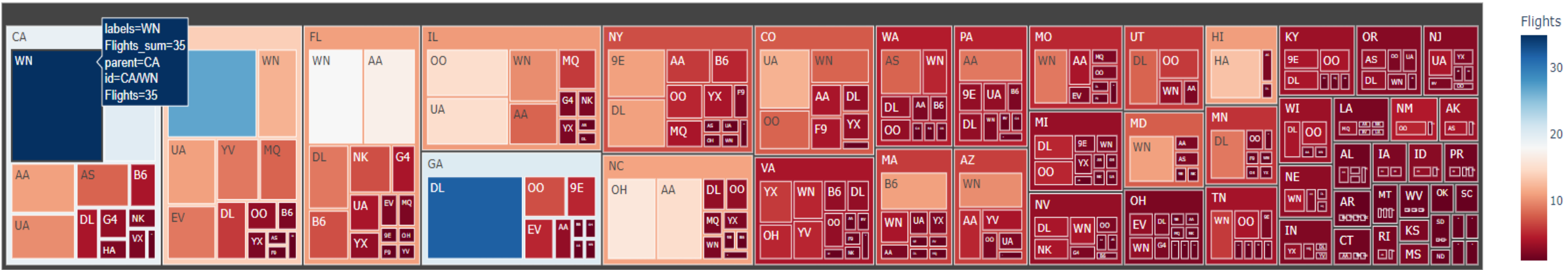
- Yearly Airline Performance Report
- Yearly Airline Delay Report

## 2. Choose Year:

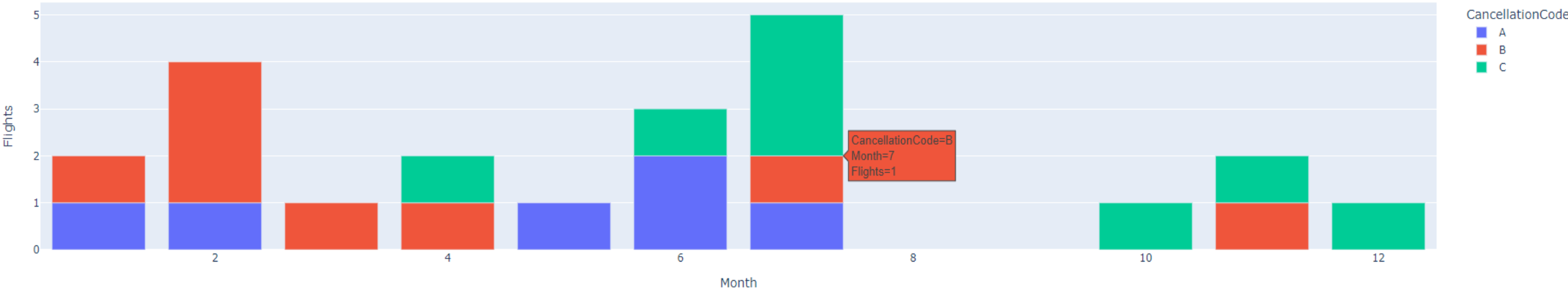
- 2005 - 2020

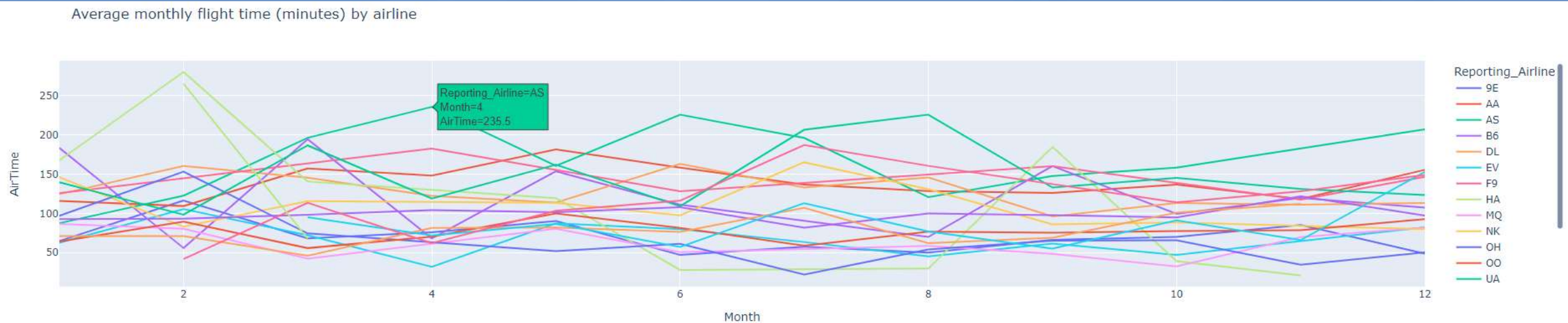
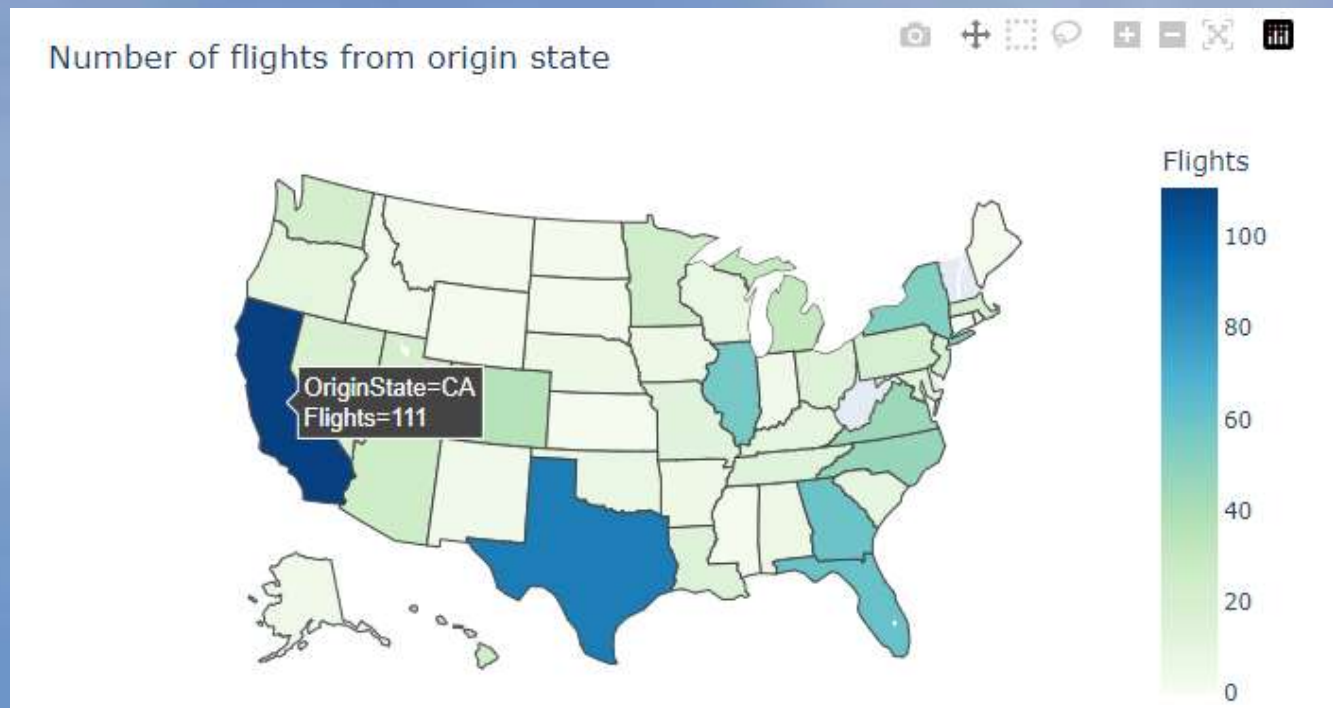
# **YEARLY AIRLINE PERFORMANCE REPORT 2018**

Flight count by airline to destination state



Monthly Flight Cancellation





# YEARLY AIRLINE DELAY REPORT 2018

## 1. Treemap

- Total Number of Flights flying to each State from each Reporting Airline.
- Hover shows that in 2018, a total of 35 WinAir flights flew TO California.

## 2. Bar Chart

- Total Number of flights under different Cancellation Categories.
- Hover shows that in July 2018, one flight was cancelled with Cancellation Code B.

## 3. Chloropleth Map

- Total Number of Flights Flying from each State.
- Hover shows that in 2018, a total of 111 flights flew FROM California.

## 4. Line Chart

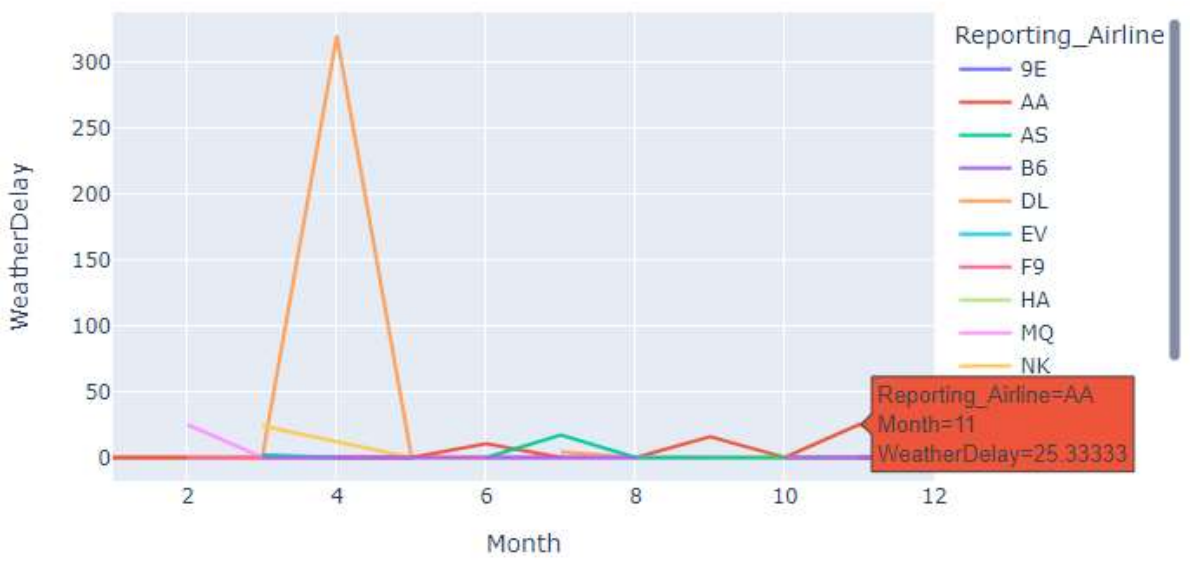
- Average Flight Time (minutes) by Reporting Airline.
- Hover shows that in April 2018, Alaska Airlines reported an average flight time of 235.5 minutes.

# **YEARLY AIRLINE DELAY REPORT 2018**

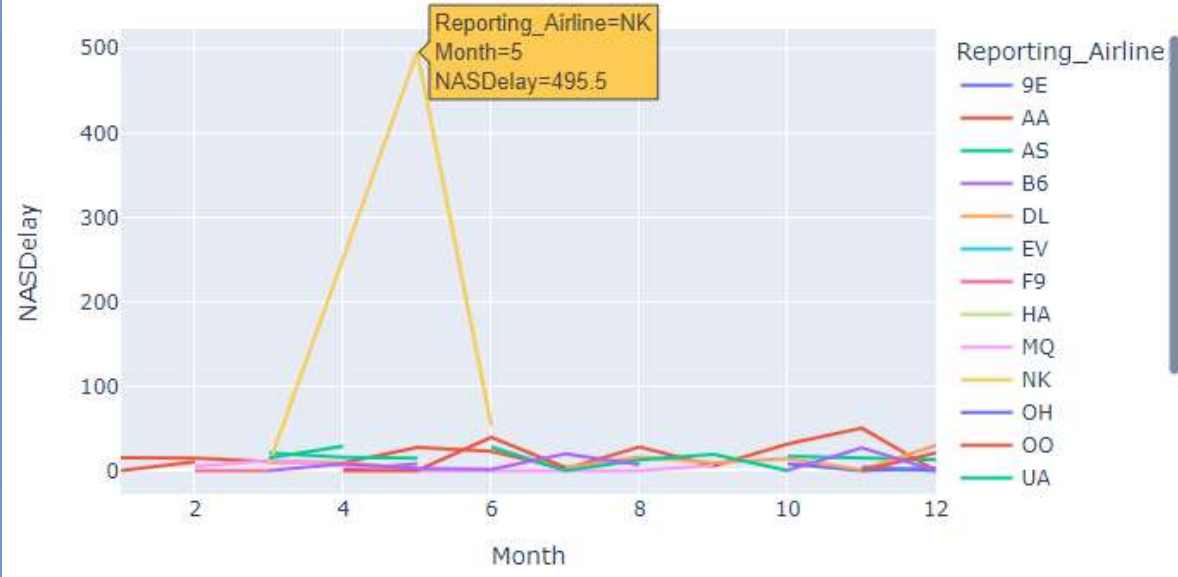




Average weather delay time (minutes) by airline



Average NAS delay time (minutes) by airline



# YEARLY AIRLINE DELAY REPORT 2018

## 1. Line Chart

- Monthly average carrier delay by reporting airline for the given year.
- Hover shows that in August 2018, Delta Airlines reported an average carrier delay of 104.5 minutes.

## 2. Line Chart

- Monthly average late aircraft delay by reporting airline for the given year.
- Hover shows that in November 2018, Endeavor Air reported an average late aircraft delay time of 191 minutes.

## 3. Line Chart

- Monthly average weather delay by reporting airline for the given year.
- Hover shows that in November 2018, American Airlines reported an average weather delay of 25.33 minutes.

## 4. Line Chart

- Monthly average national air system (NAS) delay by reporting airline for the given year.
- Hover shows that in May 2018, Spirit Airlines reported an average NAS delay of 495.5 minutes.

**THANK YOU**