

## Insight 1:

### Airlines with Most Delayed Arrivals

#### SUMMARY:

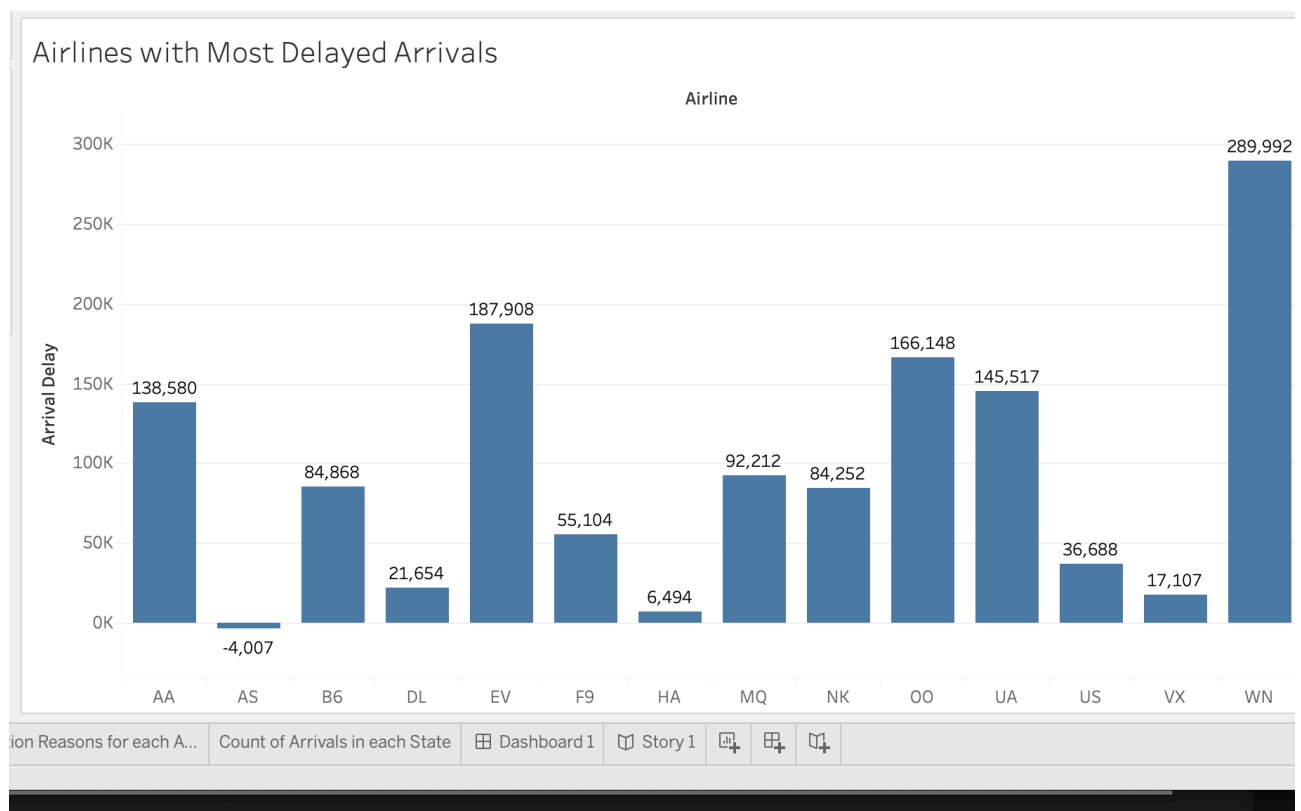
In this worksheet, the airlines' reliability is discussed through the delay of its arrivals. As shown below, the Airlines with the most delayed arrivals is WN (Southwest Airlines Co.) with a total of nearly 290k minutes throughout 2015. On AS (Alaska Airlines Inc.) has always arrived on time or before its arrival time.

#### DESIGN:

Bar chart was the most convenient way of presentation for such a direct relationship.

#### RESOURCES:

NA.



## Insight 2:

### Count of Arrivals in each State

#### **SUMMARY:**

The map shows the busiest airports in the US from the arrivals point of view. The state with the maximum arrival trips in 2015 is CA with total count of nearly 33k in 2015 only! Followed by Texas with total of 32.6K flights.

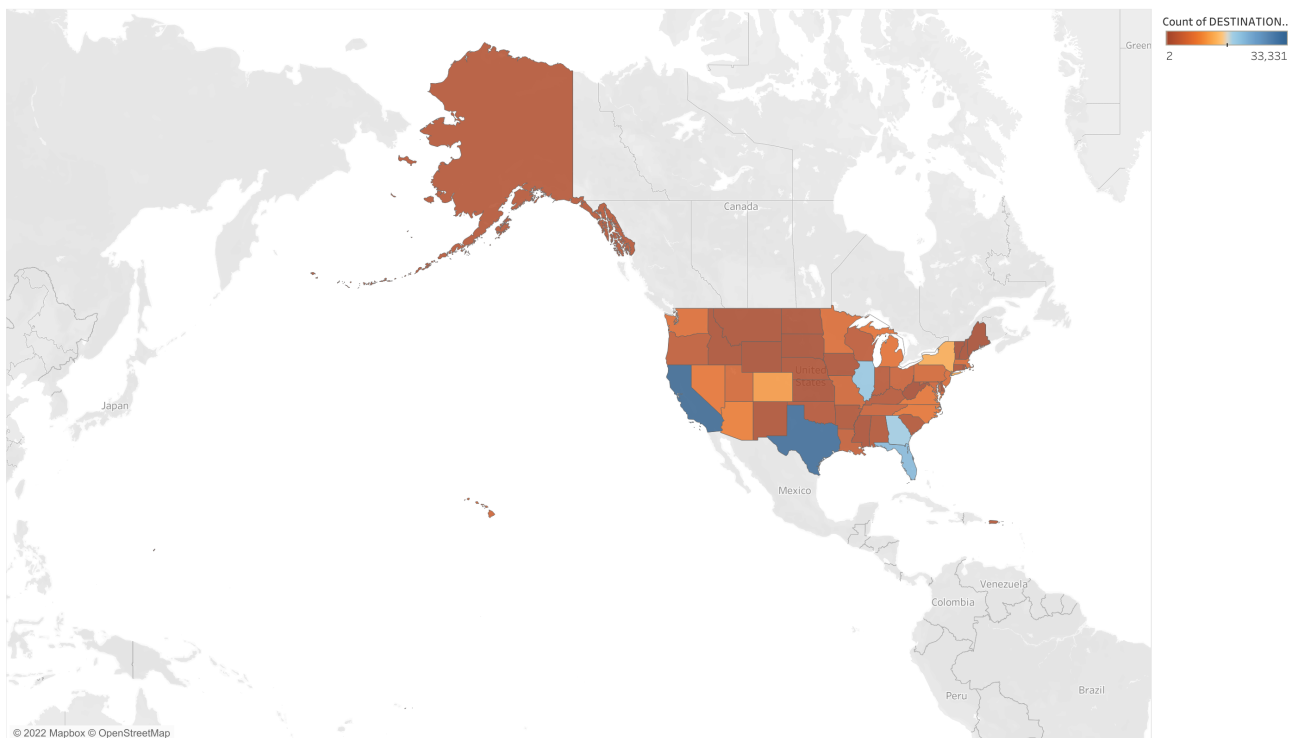
#### **DESIGN:**

A map is the most convenient design to track this issue, since it highlights the number of flights each state receive. Much easier to illustrate & know based on geography.

#### **RESOURCES:**

NA.

Count of Arrivals in each State



## Insight 3:

### Dashboard

#### SUMMARY:

Regarding the most popular cancellation reasons for the flights, it is shown that weather conditions are the most common reason for flight cancellations according to most the airlines, followed by the carriers themselves.

In addition, another map was illustrated to define the cancellation rate for each airline per state. This can help to know if the reasons of cancellation are related to the place where the flight should have departed.

It is shown that Chicago has the highest cancellation rate for American Eagle Airlines. This can be explained since it faces bad storms normally.

#### DESIGN:

Circle views was the best visualization option because it shows the exact count for each cancellation reason for each airline.

Also, a map was illustrated to help relate the number of cancelled flights in each airport to the reason of cancellation.

#### RESOURCES:

<https://www.weather.gov/lot/15jun15>

