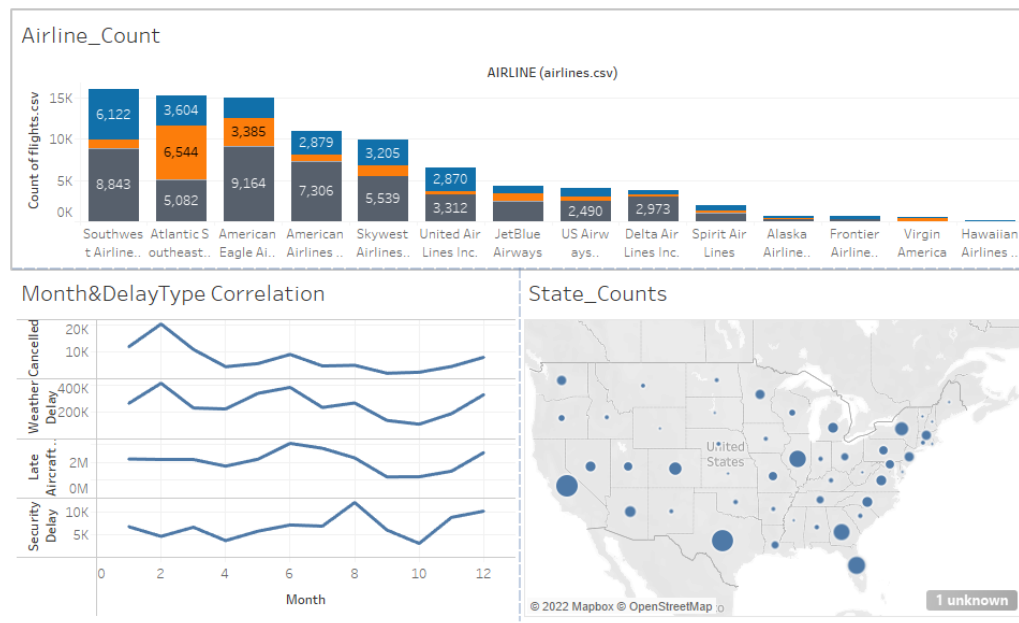


## Insight 1 - DashBoard

Link: [Viz\\_1](#)

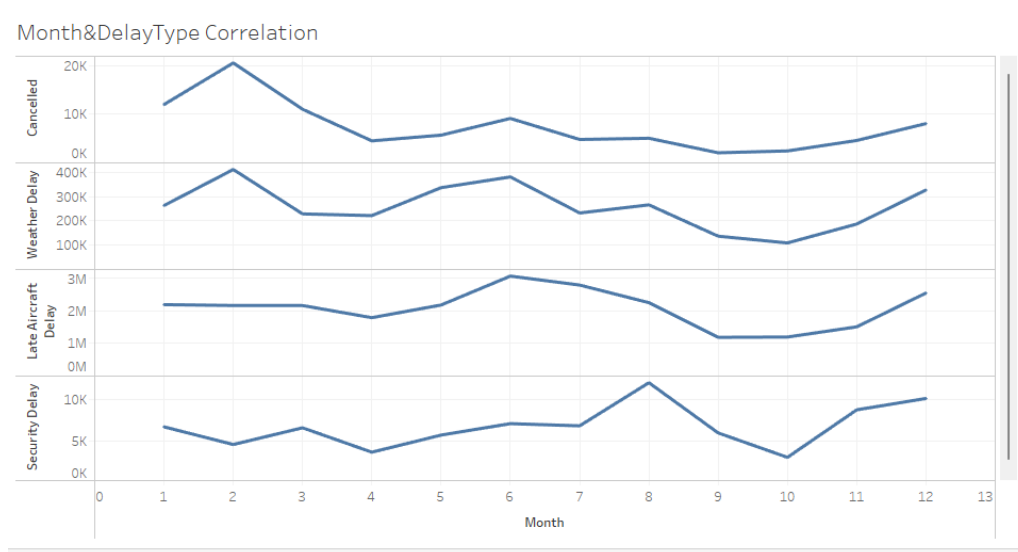
## Design



## Summary

**Is there a correlation between the months and the types of delays?**

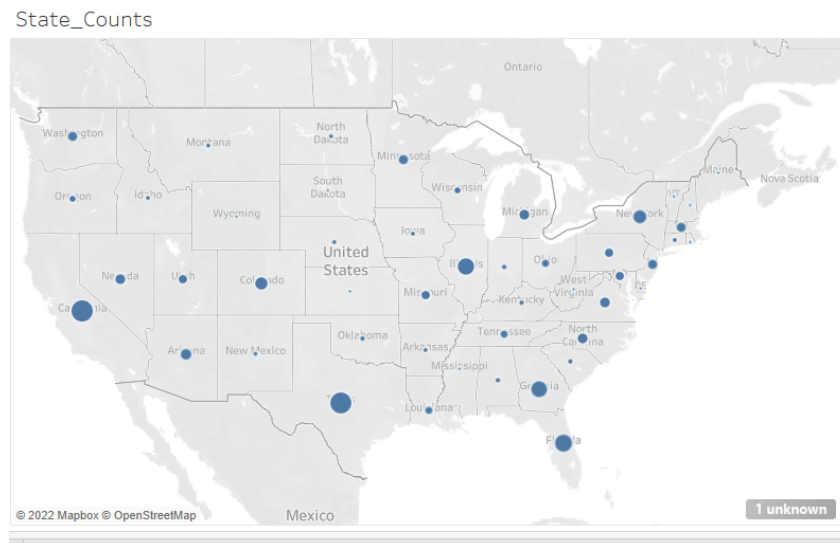
Yes, from the graph shown. I used a line chart to show that there is a very similar trend between the Weather and the months. This can be largely credited to the seasons of the month which are dependent on the month of the year.



### What states have the highest number of counts?

Creating a Map chart, we can see that the top 3 states with the highest number of flights are:

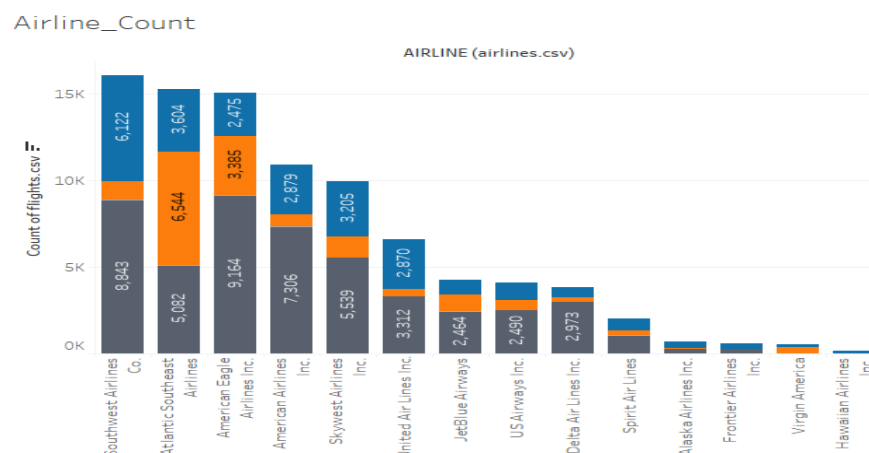
1. California
2. Texas
3. Florida



### What airlines have the highest number of flights?

Using a Bar Chart to illustrate the flight numbers and Airlines, we get that the top three airlines are:

1. Southwest Airlines Co.
2. Atlantic SouthEast Airlines
3. American Eagle Airlines Inc.



**Resources:** N/A

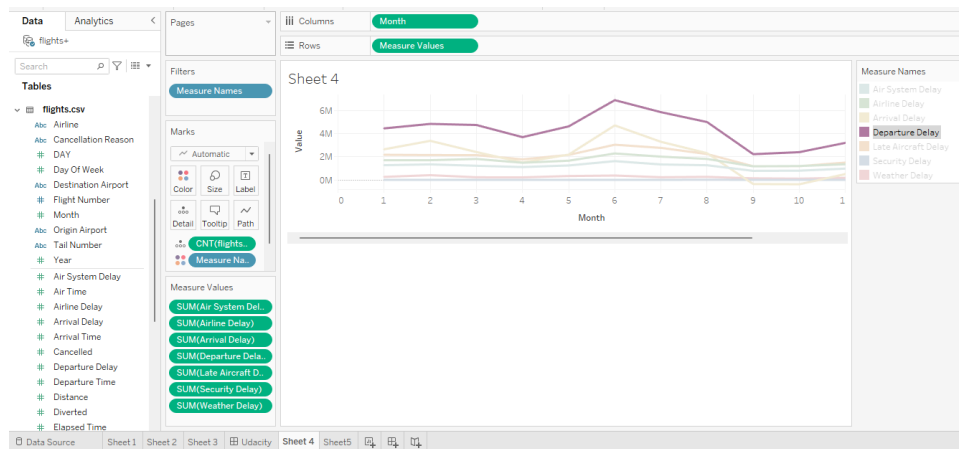
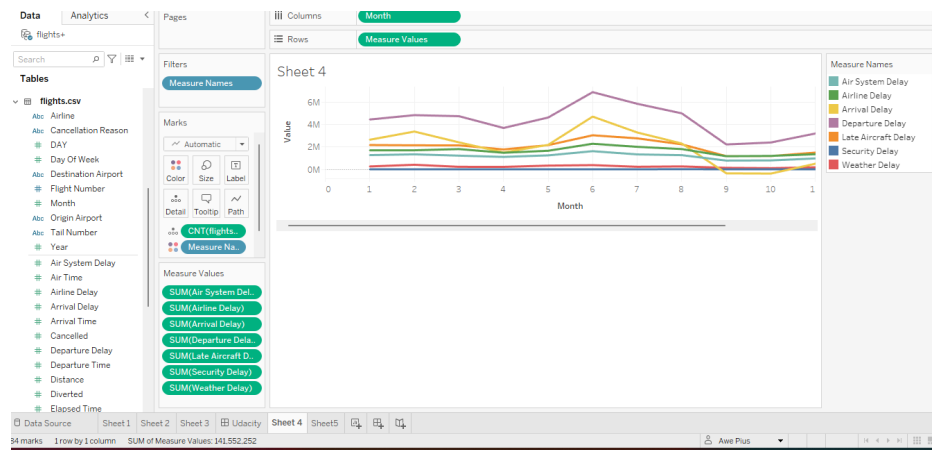
## Insight 2

Link: [Viz 2](#)

### Summary:

Creating a line chart, I was able to show the relationship between the Month of the year and the type of delays. It is clear that the departure delays have the highest count in the causes of delay category.

Also, we see that there was a spike in the count of delay during the 6th month of the Year (June).



**Resources:** N/A

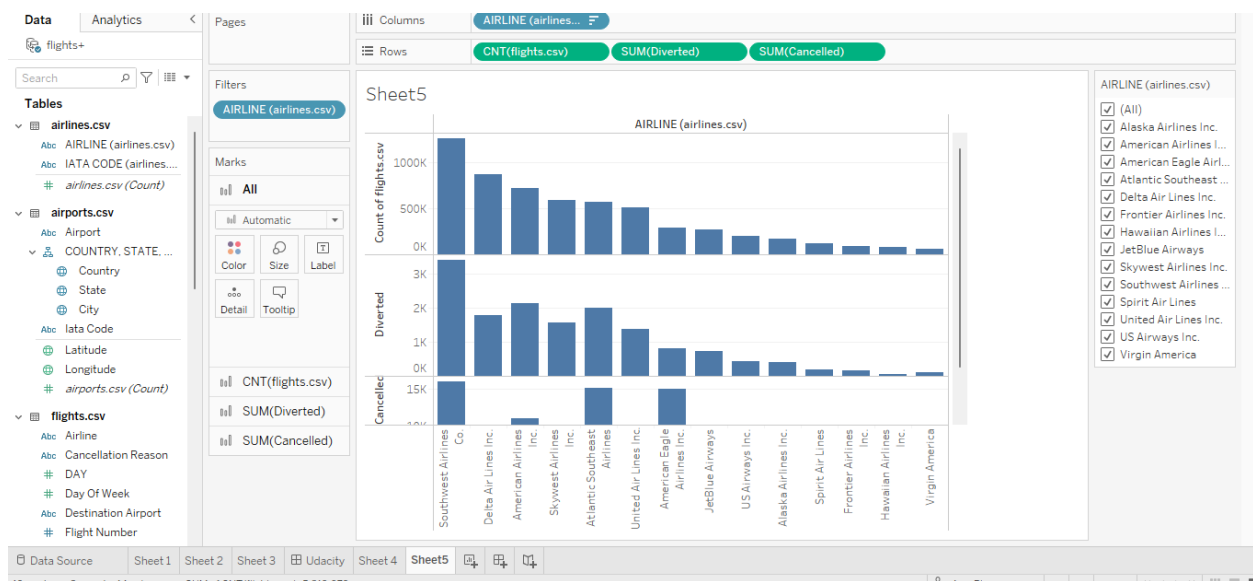
### Insight 3:

What airline has the highest number of diverted flights and is there a correlation between Counts of flights and the number of flights diverted?

Link: [Viz\\_3](#)

### Summary:

Using a Bar Chart, we see clearly that the Southwest Airlines Co. has the highest number of diverted flights and highest number of diverted flights. From the graph shown below, there is a high correlation between the count of flights and number of diverted flights, however, there is no real correlation between count of flights and the number of canceled flights.



**Resources:** N/A