Story Link

https://public.tableau.com/app/profile/nancy.hendy/viz/USAFlightDelays2015_Nancy/USAFlightDelays2015

Dashboards Links

1. https://public.tableau.com/app/profile/nancy.hendy/viz/DelayByAirline_Nancy/DelayPerAirline
2. https://public.tableau.com/app/profile/nancy.hendy/viz/TotalDelayByState_Nancy/DelayPerState
3. https://public.tableau.com/app/profile/nancy.hendy/viz/DelayThroughTime_Nancy/DelayThroughTime

Summary

 The Story includes 3 Dashboards, that show the amount of flight delays (in minutes), according to each of the Airlines, States, and Time (Months).

Dashboard 1(Total Delay Time Per Airline):

From the visualization, we can conclude that Departure Delays caused the most amount of delay time (2.649,459 minutes). While Security and Weather caused the least amount of delay time(4702 minutes).

Also, We can see that Southwest Airlines had the most amount of delay time in 2015 (total of 1,546,569 minutes), while Frontier Airways accounted for the least amount of delay time (total of 189,071 minutes).

Dashboard 2(Total Delay By State & Airline):

The map shows the states that had the airports with the delayed flights. We can see that Texas had the most amount of delayed flights' time (total of 953,528 minutes), while Delaware had the least amount of delayed flights' time (total of only 64 minutes).

User can also choose by airline to see the amount of delay in each State caused by each airline.

Dashboard 3(Delay Through Time):

In this visualization, we can see that the most delayed flights occurred in months 6 and 7, followed by 12 (which makes sense because these are the most times that have flights; Summer time and Christmas).. while the least delays occurred in September (total 267,286 minutes)

Also here, user can choose his/her desired airline to know the amount of delay per airline in each month.

Design

I always opted for simple color options that don't distract from the data.

And in the timeline, I had to use multiple colors, so tried to choose a softer combination.

Resources

-https://community.tableau.com/s/question/0D54T00000C5leVSAR/how-to-combine-3-different-charts-into-one

-Udacity Classroom Videos.

-Udacity project walkthrough video.