1 – with is the worst delays

Link :

https://public.tableau.com/app/profile/mishal.almutairi/viz/Map_For_Airline_Delay/AirlineDelay?publish=yes

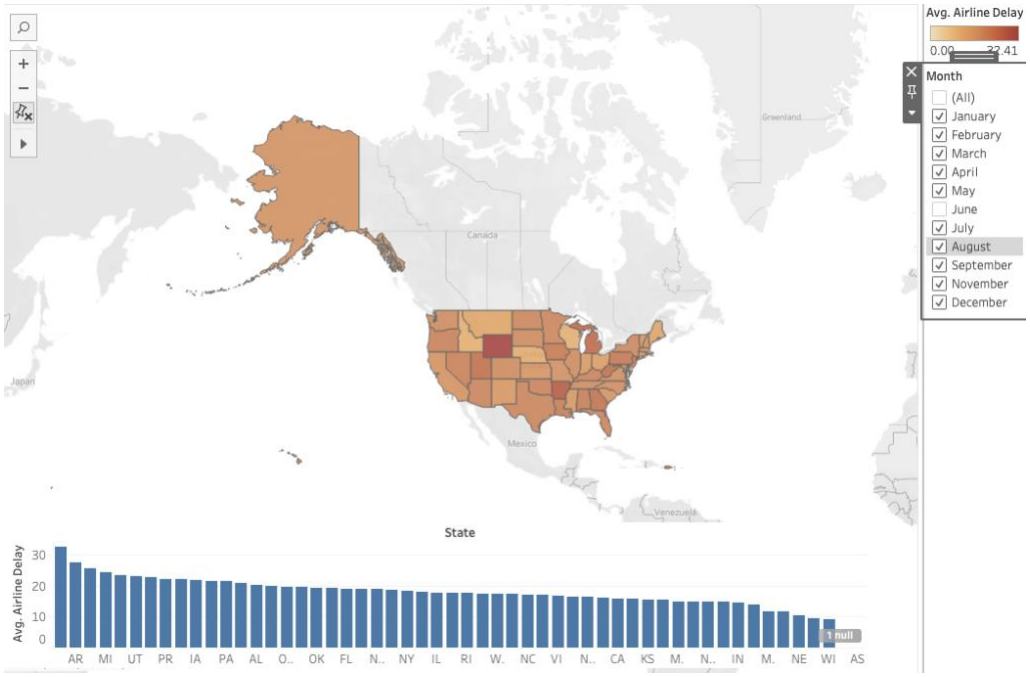
Summary :

The level of delay in airlines in the United States was studied, companies with the worst :delays were identified as follows

.1.State (GU): The highest average delay level was recorded by a total of 264
.2.State (WY): Recorded an average delay level of 33 in total
.3.Illinois State (MI): Recorded an average delay level of 24 total
This information helps identify airlines and states that need extra attention to improve their performance and provide better service to travelers. This data can be used to analyze patterns and trends, develop strategies to mitigate delays issues and improve the travel .experience

Design :

I created a heat map showing airlines' delays in every state. Each of these colors indicates the level of delay and therefore, the states that are depicted with a stronger or darker color possess worse delays. You get an initial glance at the regions covered by the greatest backlogs.
I presented comprehensive information on delays' airline, as well as state information. It enables an individual to view actual figures of delays in every particular state.
I came up with these visualizations as they give an insightful view of the data and further aid in understanding how patterns or trends are created. A heat map summarizes statewise delays, while a breakdown table offers fine grained analysis across airlines and states.



2 – with the Reason Delays

Link :

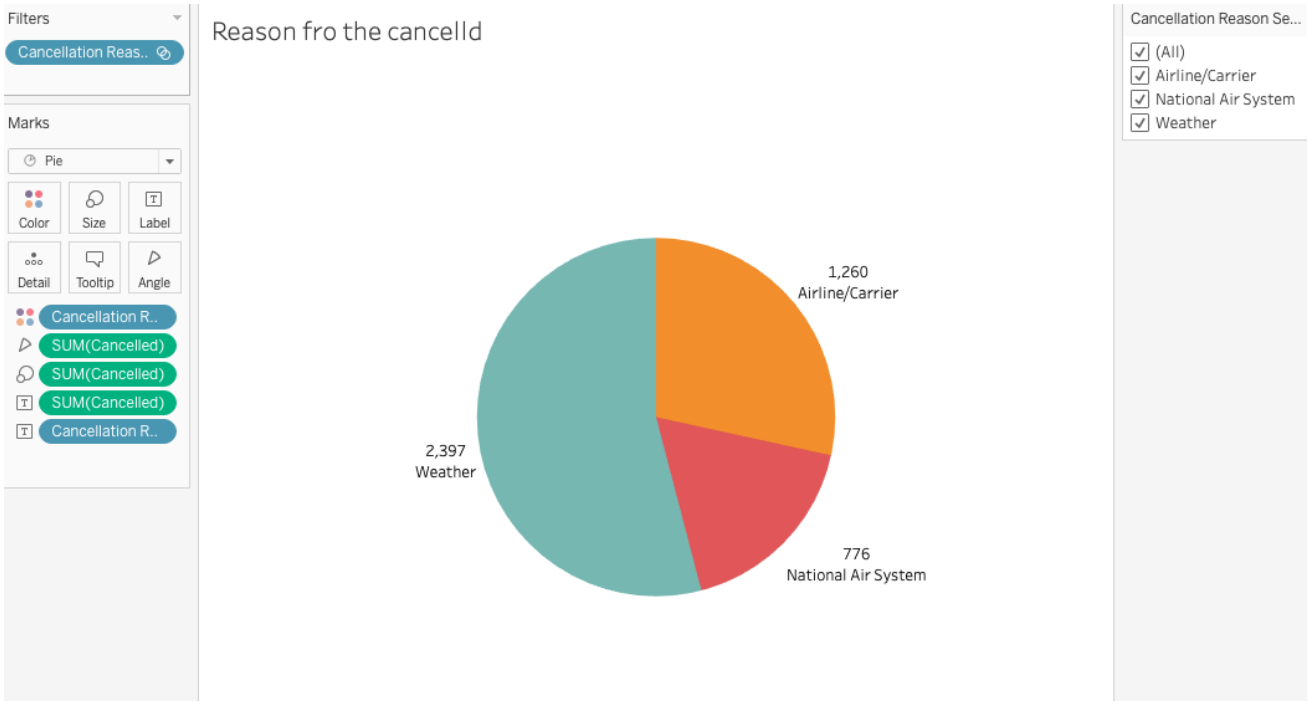
https://public.tableau.com/app/profile/mishal.almutairi/viz/Airline_Delay_16992233671660/Reasonfrothecancelld?publish=yes

Summery:

Data analysis indicates that there are three main reasons for delays and cancellations in airlines: “Airline/Carrier”, “National Air System”, and “Weather”. Based on available data, 2,397 flights were canceled due to weather, 1,260 flights were canceled due to .airline/carrier, and 776 flights were canceled due to NAS

Design :

I chose to use a “Pie Chart” visualization to illustrate the different reasons for cancellation. I used the available data in the “cancellation cause” field as a filter to identify the three main causes. Then I set “cancellation Reason” in the “Marks” field to create a “Pie Chart” that reflects the distribution of cancellations over the .different reasons
I applied colors to the slides to highlight each reason, and used the "cancellation reason" sum in the "angle" field to determine each reason's percentage of cancellations. Also, I added "cancellation reason" in the "label" field to display the .count for each reason next to each slice in the chart
Choosing a “Pie Chart” visualization helps illustrate the distribution of reasons for cancellations in a visual and easy-to-understand manner. Viewers can see .percentages and easily identify the main reason for cancellations



3- Airlines that have a delay in take off

Link :

https://public.tableau.com/app/profile/mishal.almutairi/viz/AirlineDelay_16992013303070/AirlineDelay_1?publish=yes

Summery:
These are the top 5 airlines that record the largest delays in takeoffs between airports
Spirit Air Lines: 17
United Air Lines Inc: 15
Frontier Airlines Inc: 13
JetBlue Airways: 12
Southwest Airlines Co: 11

Based on the numbers, we can tell
Spirit Air Lines scores highest
Average delay. Thus, it can be said that Spirit Air Lines records the largest take-off .delay on average among airline partnerships

Design:
A simple table was chosen that displays averages for take-off delays for each airport. "AvG(Departure Delay)" is placed in columns to represent averages, and airline names are placed in rows. This design makes it easy to read and .compare averages quickly and directly
The choice of this design is due to its simplicity and ease of understanding, as it focuses on the numerical values of the averages and displays them in a neat and organized manner. The reader can easily compare the numbers and determine which airport has the highest average takeoff delays .