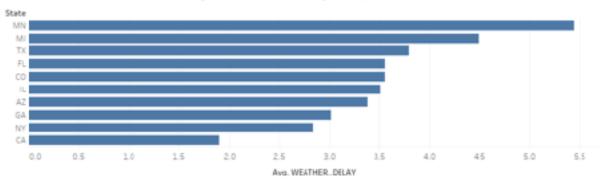
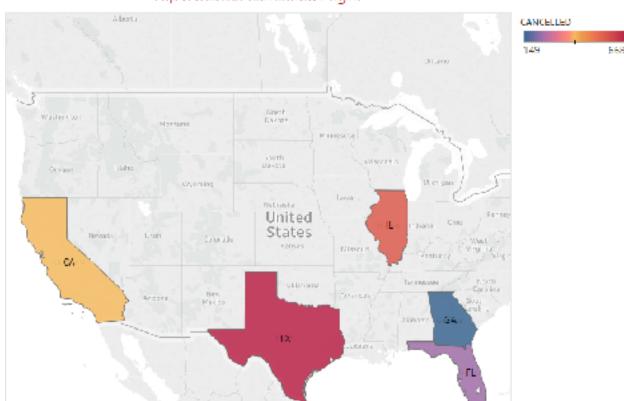
Average of Weather Dealay in Top States



Average of WEATHER_CELAY for each State. The view is filtered on State, which keeps 10 of 54 members.

From the bar chart, we can see the where the highest number of weather delays. It appears that Minnesota has the highest numbers because of inclement weather, such as thunderstorm, hurricane, or blizzard. While Michigan has the second highest number of flight delays because of weather. Whereas California has the smallest number of weather delays because it has a Mediterranean-like climate.

Design: I choose the bar view to show the weather delays in the top ten states. Because I selected the top ten the bar chart will be more readable from the viewers.

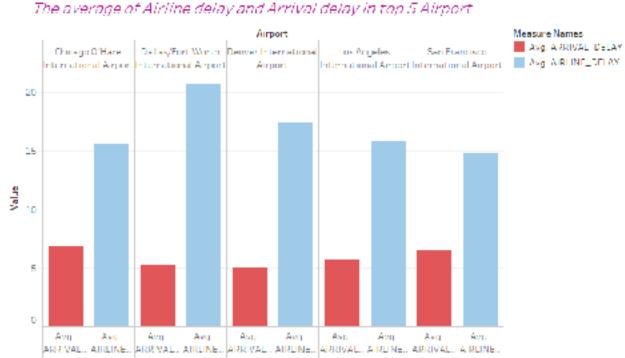


Top 5 States Cancelled Flight

Map based on Longitude (generaled) and Latitude (generaled). Color shows some CARCHIED. The marks are labeled by State. Details are shown for State. The view is filtered on State, which keeps CA, Ht, GA, It and TX.

From the map, that shows the top five states have cancelled flights. We can see that Texas has the largest numbers of cancelled of flights. Illinois has the second largest numbers of airline flight cancellations. Even though Georgia has the lowest numbers of cancelled of flights.

Design: I choose the map for simple view easy to understand. The warm color shows the states that have the highest numbers of airline flight cancellations and the cool color presented the states that have the lowest numbers of canceled of flights.



Avg. ARRIVAL DELAY and Avg. AIRLINE DELAY for each Airport. Color shows details about Avg. ARRIVAL DELAY and Avg. AIRLINE_DELAY. The data is filtered on MONTH, which keeps non-Airline and Airport, which keeps Chicago Utiliare International Airport, Dallas/Lort Worth International Airport, Denver International Airport, Los Angeles International Airport and San Francisco International Airport.



The trends of Avg. AIRLINE_DELAY and Avg. ARRIVAL_DELAY for NUNTH. Color shows details about Avg. AIRLINE_DELAY and Avg. ARRIVAL_DELAY. The data is filtered on State, which keeps IL.

Dashboard:

From this dashboard, I combine two visualizations, the one with the average of Airline delay and Arrival delay in top 5 Airport and the other is showing the average of Airline delay and Arrival delay in Illinois state. In both visualizations, the blue color represents the airline delay and red color represents the arrival delay. In the side-by-side bars, we can see that Chicago O'Hare International Airport and San Francisco International Airport have the highest numbers of arrival delay. Meanwhile, Dallas/Fort Worth International Airport and Denver International Airport have the highest number of the airline delay. In the line chart that the average of airline delay and arrival delay in IL. we can see that June has the highest numbers of arrival delay. Whereas on December has the highest numbers of the airline delay. On September, was the lowest number of the airline delay and arrival delay.