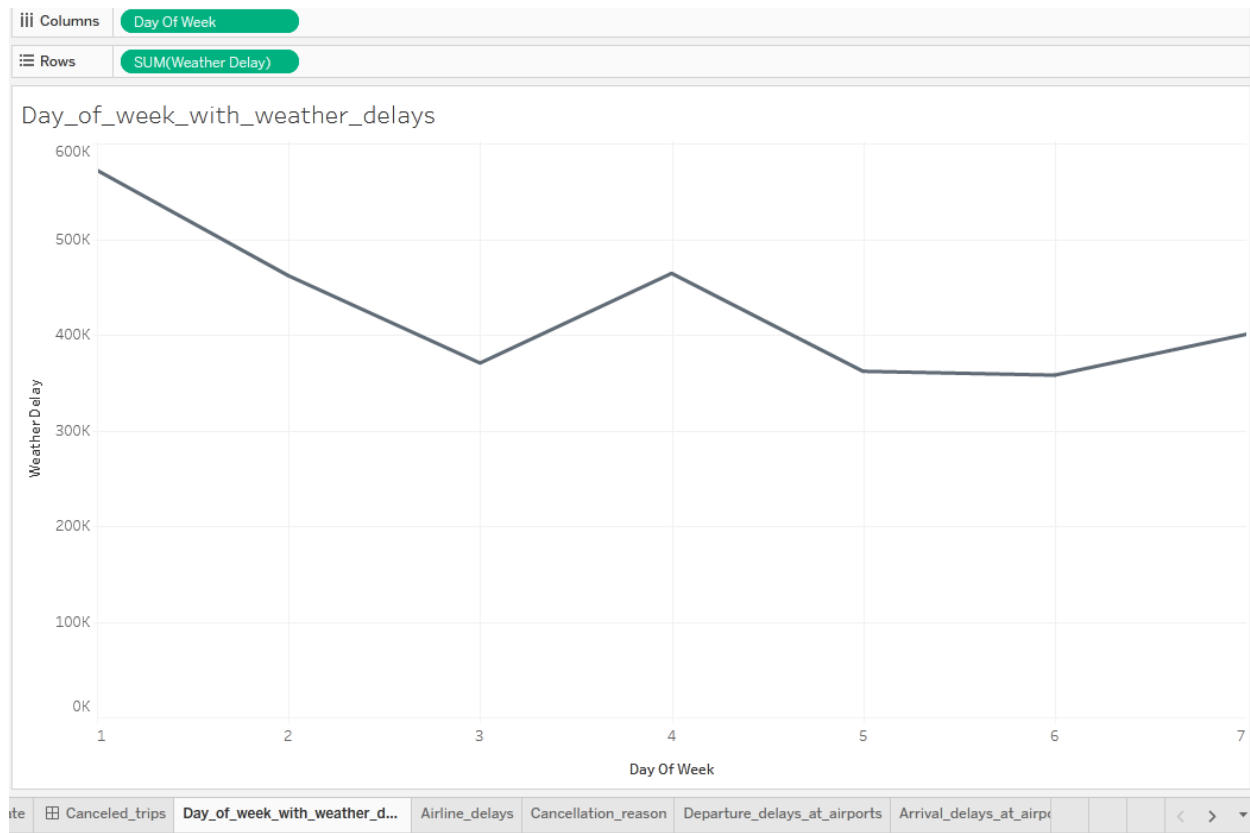**Link**

Summary

The dashboard shows the states with the most canceled trips during the year. Texas canceled 13441 trips, while Illinois canceled 11683 trips.

Design (Dashboard & bar chart)

Use a map to plot geographical data with sequential blue color for the states. The darker the blue color, the more is the number of flight cancellations. This type of coloring makes it easier to spot which states have high/low cancellations; bar charts help us to see and compare differences in values or amounts of categorical data; dashboard to display more than one chart; color blindness consideration.

Resources

https://www.kaggle.com/datasets/usdot/flight-delays
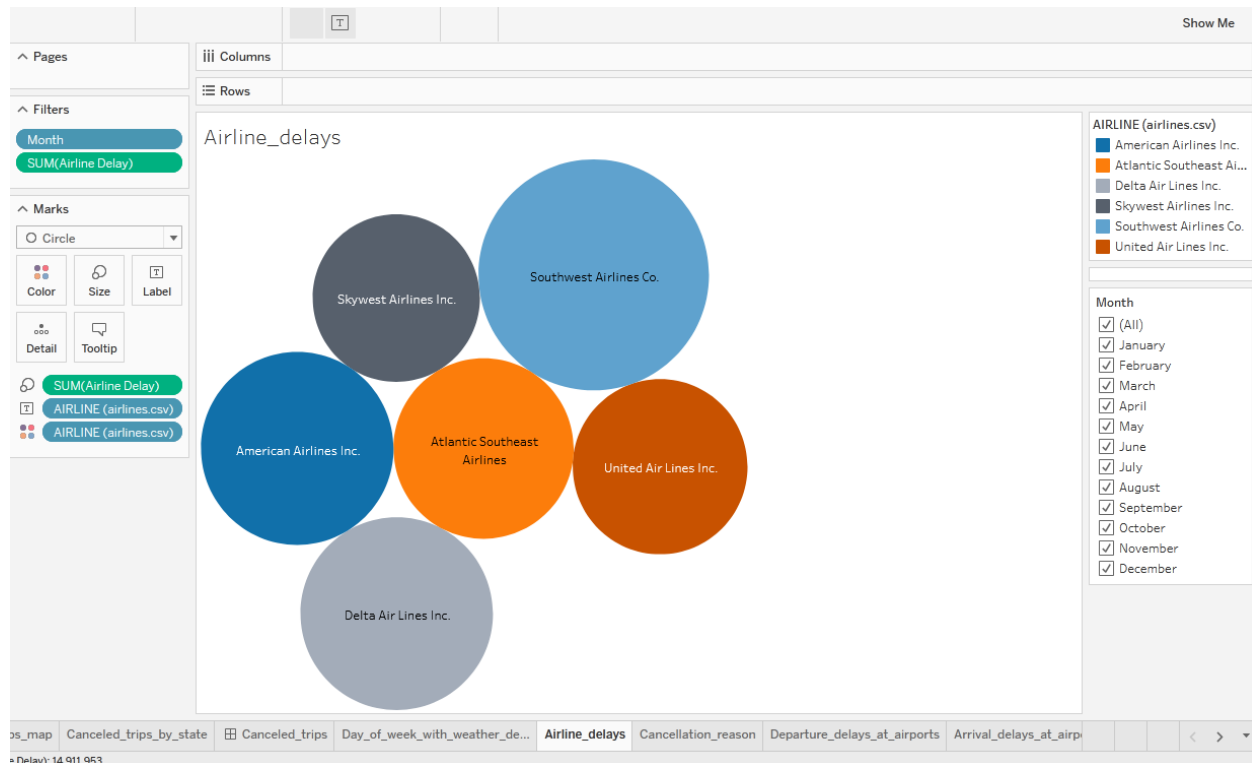
Link

Summary

This sheet shows the number of delays because of weather on each day of the week. The first day of the week has the greatest number of weather delays with 572601. And day 6 has the lowest number of flights delayed because of weather 358056.

Design (Lines)

A line chart to plot a time series of continuous data over time; color blindness consideration.

Resources

https://www.kaggle.com/datasets/usdot/flight-delays
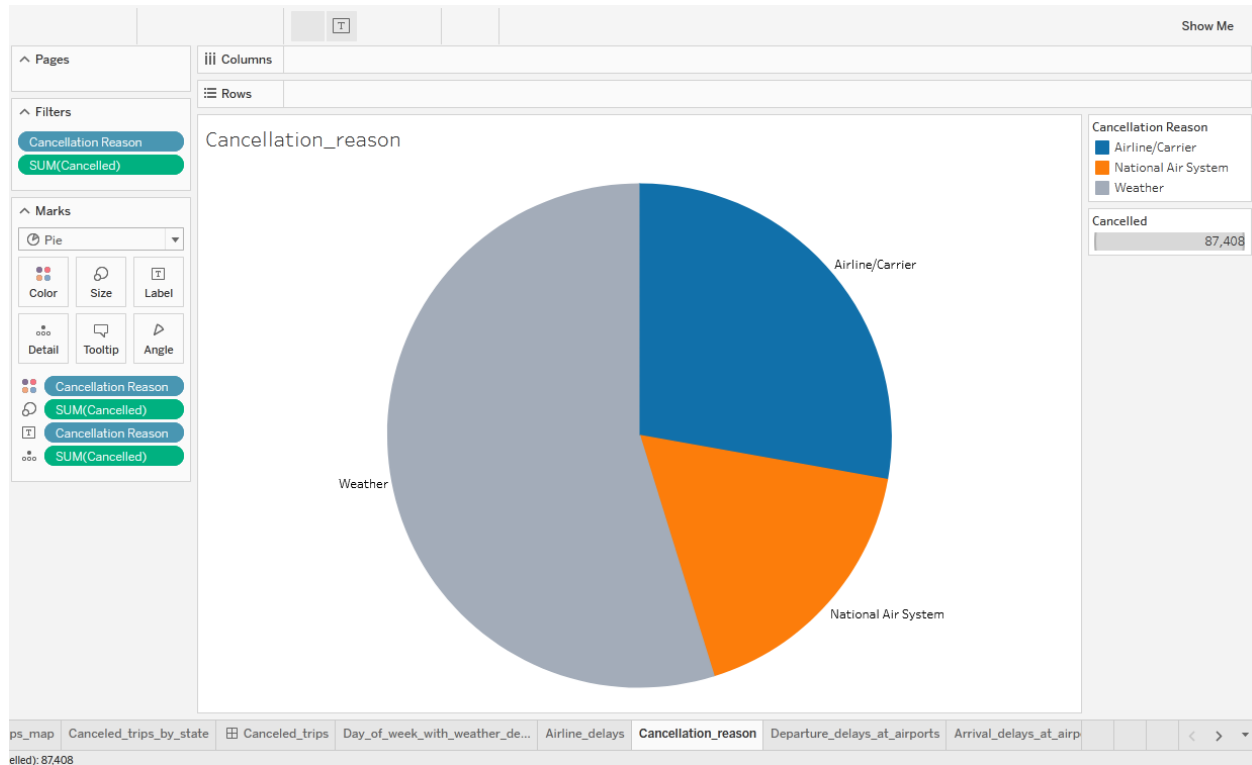
Link

Summary

This sheet shows the airlines with the most number of delays. Southwest Airlines Co. ranked first, then American Airlines Inc. and next Delta Air Lines Inc. with 3629732, 2533190, 2531765, respectively.

Design (Bubbles)

Use bubbles to show more than two variables; each bubble represents an airline; color blindness consideration.

Resources

https://www.kaggle.com/datasets/usdot/flight-delays
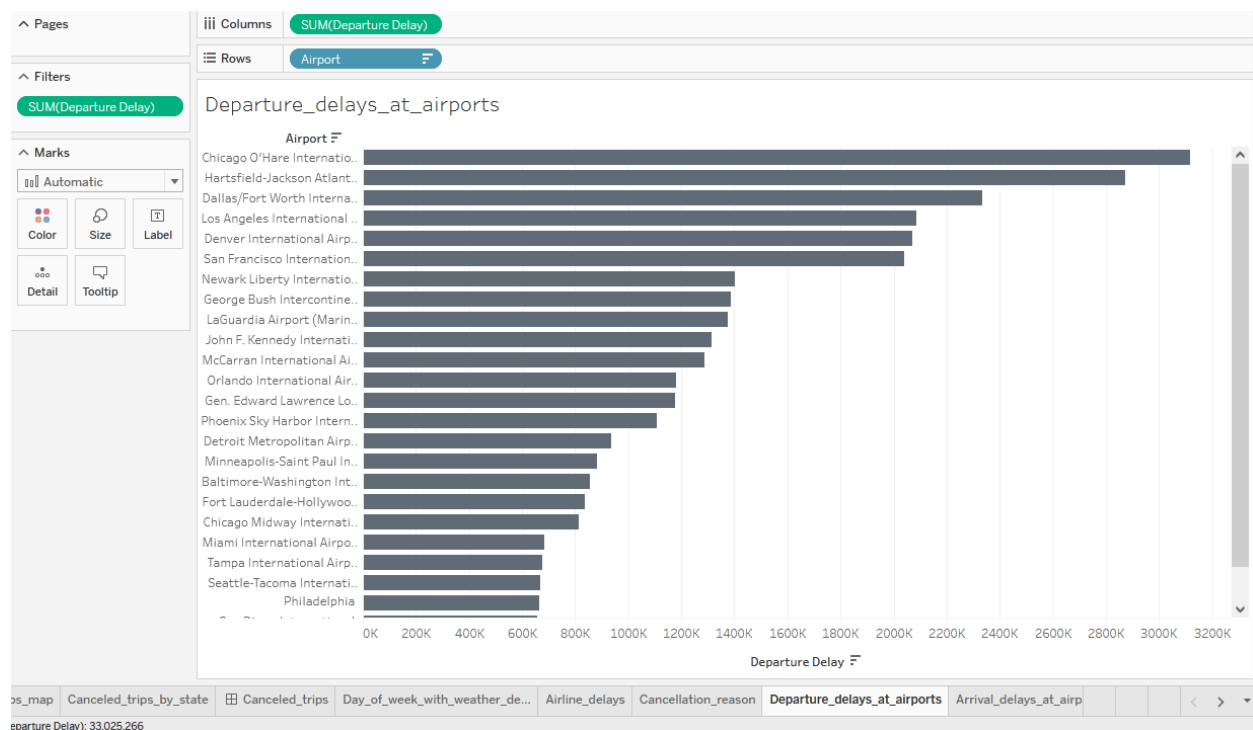
Link

Summary

This sheet shows which reason has the greatest effect on canceling a flight. 47874 flights were canceled because of weather, while 24309 flights were canceled because of the airline. Weather has the GREATEST effect.

Design (Pie Chart)

Use pie charts as I have more than one variable, similar, in a hierarchy scheme, but not ordered; color blindness consideration; each part of pie represents a reason.

Resources

https://www.kaggle.com/datasets/usdot/flight-delays
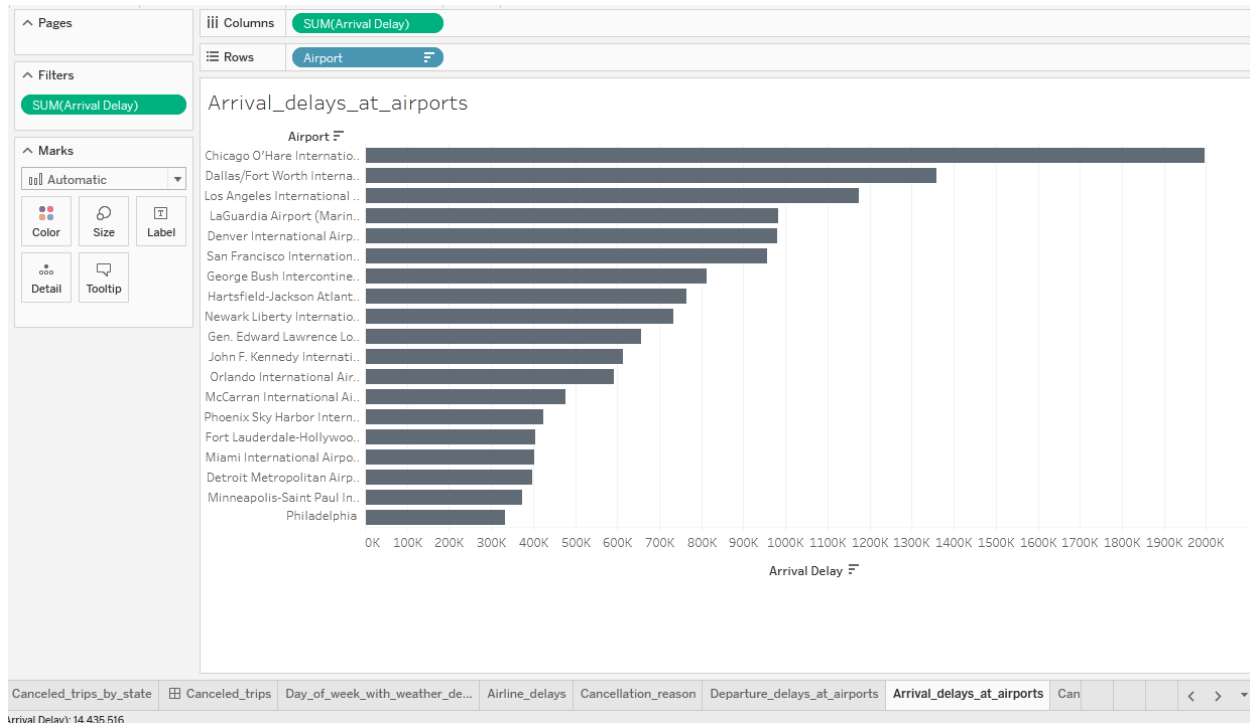
Link

Summary

This sheet shows the airports that have the most departure delays. The top three airports are Chicago O'Hare International Airport, Hartsfield-Jackson Atlanta International Airport, and Dallas/Fort Worth International Airport.

Design (Horizontal bars)

Use horizontal bars as it is an easier way to read; color blindness consideration.

Resources

https://www.kaggle.com/datasets/usdot/flight-delays
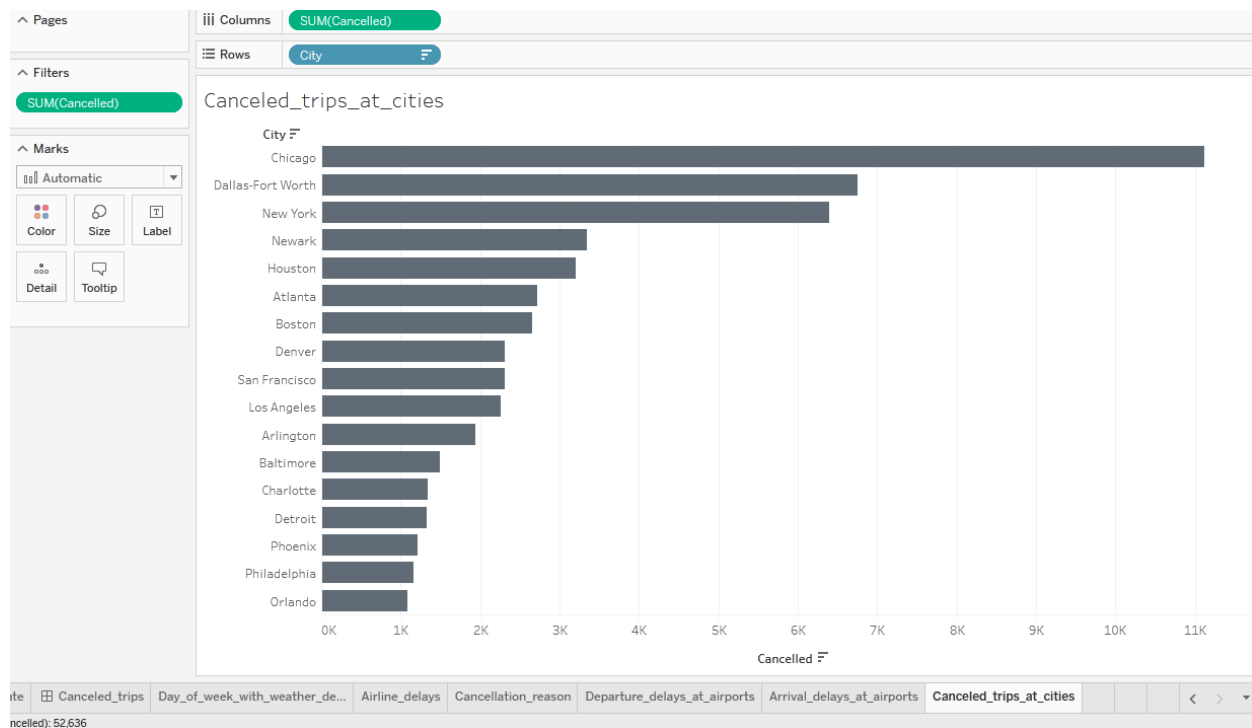
Link

Summary

This sheet shows the airports that have the most arrival delays. The top three airports are Chicago O'Hare International Airport, Dallas/Fort Worth International Airport, and Los Angeles International Airport.

Design (Horizontal bars)

Use horizontal bars as it is an easier way to read; color blindness consideration.

Resources

https://www.kaggle.com/datasets/usdot/flight-delays

Link

Summary

This sheet shows the cities that have the most flight cancellations. The top three are Chicago, Dallas-Fort Worth, and New York.

Design (Horizontal bars)

Use horizontal bars as it is an easier way to read; color blindness consideration.

Resources

https://www.kaggle.com/datasets/usdot/flight-delays