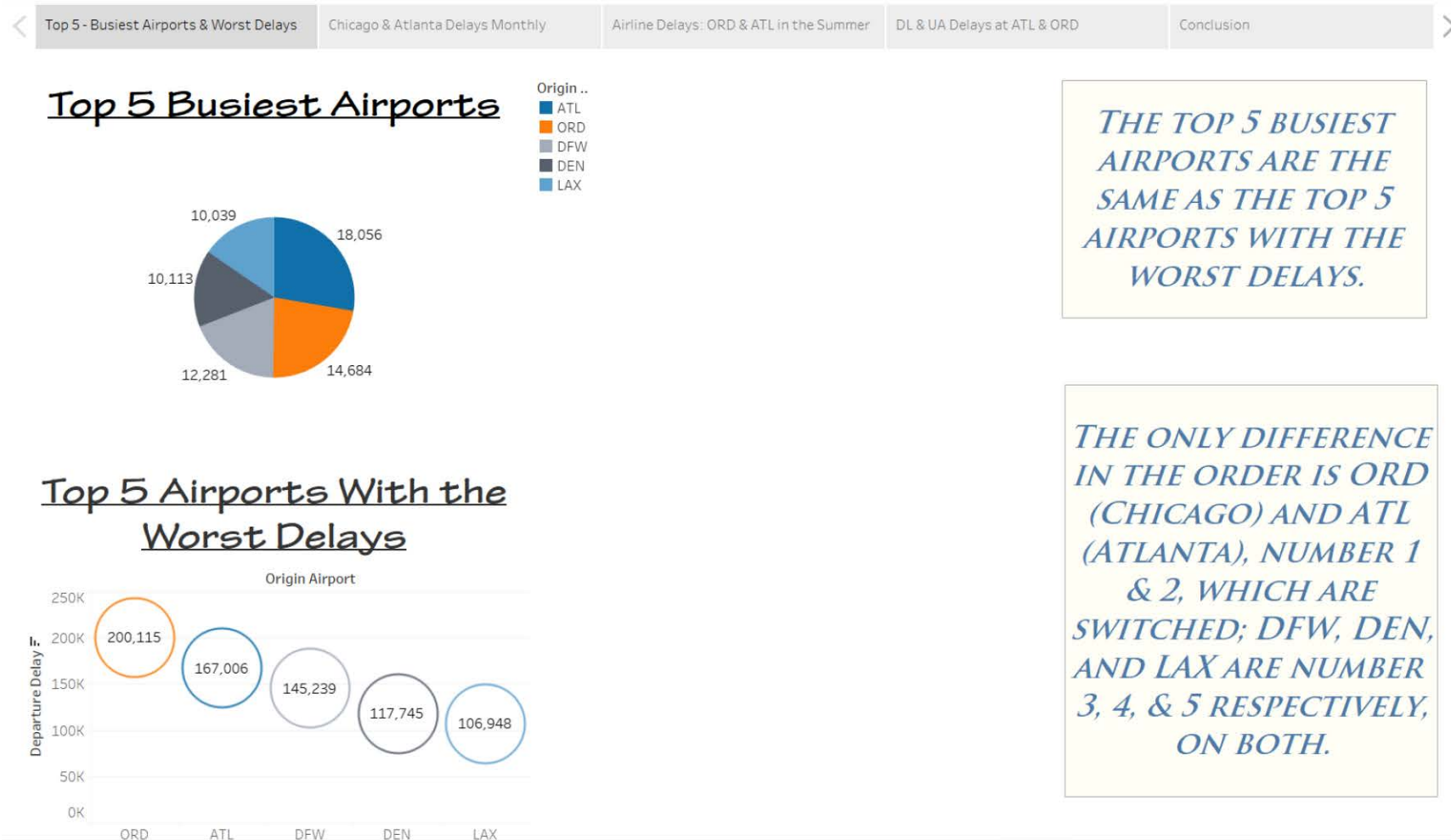


Which Airports and Airlines Have the Most Delays

- Colors utilized from the palette were chosen to accommodate color sight impaired individuals.

A link to the story on Tableau Public:

https://public.tableau.com/app/profile/daniel.cucinotta/viz/FlightDelay1_16971429295020/Story1?publish=yes



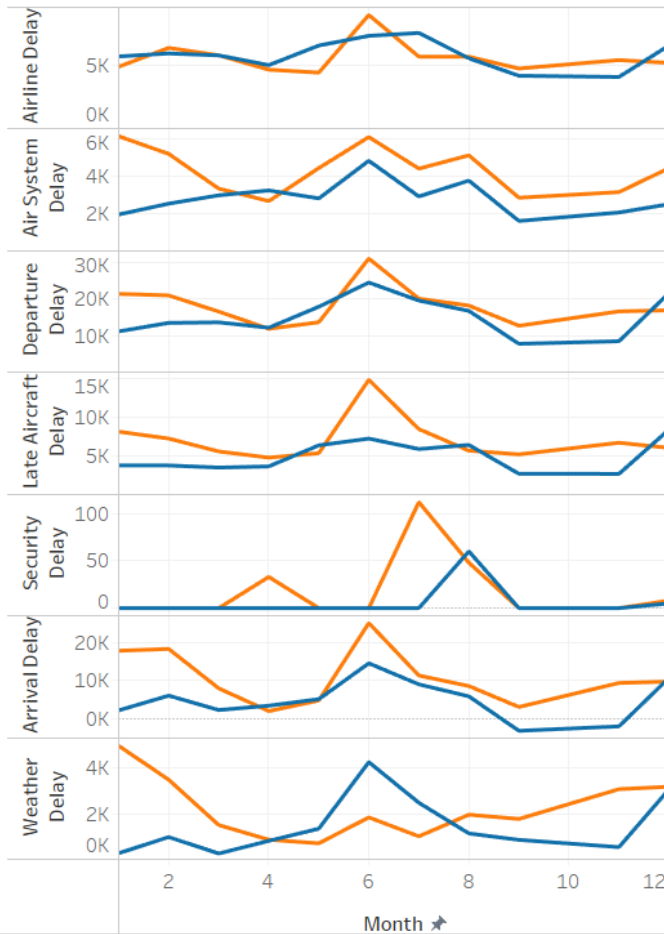
DESIGN COMMENTS:

- A simple pie chart is utilized to represent only the top 5 values (filtered) for the busiest airports – The values are shown on graph.
- A circle view is used to display only the top 5 values (filtered) for airports with the most delays – Circles enlarged and values sorted.
- Tool tip was used in the pie chart to display the airport and value on the chart when hovered over.
- Tool tip was used in the circle view chart to display the airport and value on the chart when hovered over.

Chicago & Atlanta Delays Monthly

Origin Airport

■ ATL
■ ORD

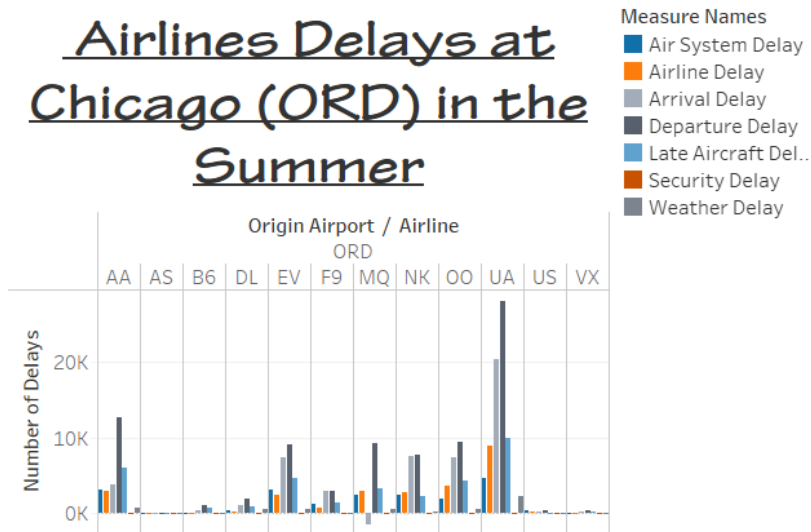


THERE IS A NOTICEABLE TREND - A SPIKE IN THE NUMBER OF DELAYS IN THE MIDDLE OF THE YEAR FROM MAY TO AUGUST (LATE SPRING TO EARLY AUTUMN).

DESIGN COMMENTS:

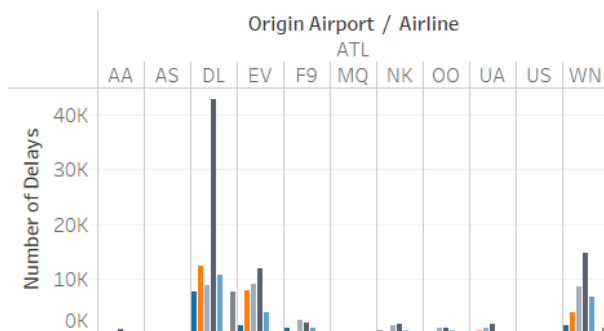
- A line chart was chosen to display the continuous values by monthly average.
- A filter was used to display only Chicago and Atlanta delays.

Airlines Delays at Chicago (ORD) in the Summer



IN CHICAGO (ORD), DURING THE SUMMER MONTHS, UA (UNITED AIRLINES) HAS THE MOST DELAYS.

Airlines Delays at Atlanta (ATL) in the Summer



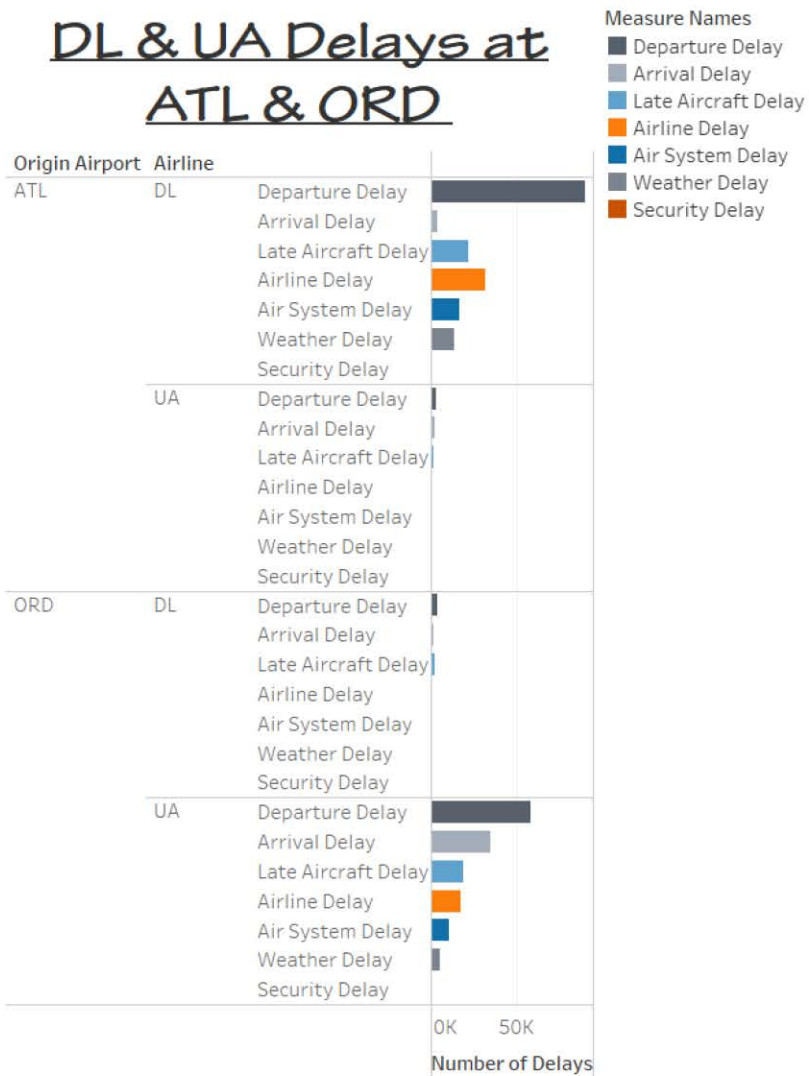
IN ATLANTA (ATL), DURING THE SUMMER MONTHS, DL (DELTA) HAS THE MOST DELAYS.

DESIGN COMMENTS:

- A bar graph is utilized to display the number of airline delays for each airport (ATL & ORD).
- Filters were used to isolate data to each airport.
- Filters were used to reduce the number of months in the visualizations; 4 months (May – August).



DL & UA Delays at ATL & ORD



*COMPARATIVELY, DELTA HAS
MORE DELAYS THAN UNITED
AIRLINES IN ATLANTA.*

*CONVERSELY,
UNITED AIRLINES HAS MORE
DELAYS THAN DELTA IN
CHICAGO.*

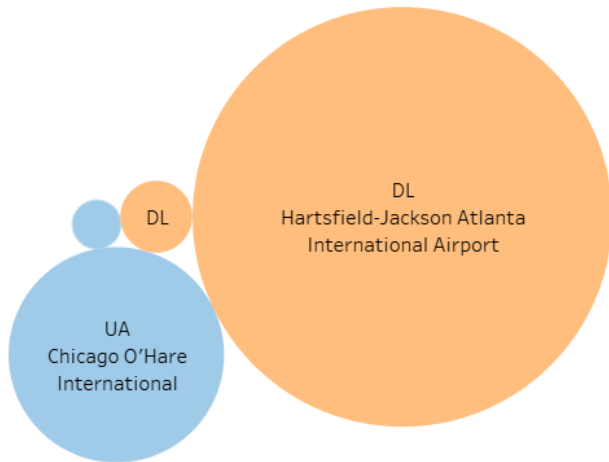
DESIGN COMMENTS:

- A horizontal bar graph is used to depict the contrasting value amounts between the 2 airlines and the 2 airports with the most delays.
- Filters are used to reduce the number of airlines and airports to the 2 selected for each category.



Distribution of Delta and United Airlines Flights for Chicago & Atlanta Airports

Airline
DL
UA



THE DISTRIBUTION OF THE VOLUME OF FLIGHTS FOR DELTA AND UNITED AIRLINES AT CHICAGO AND ATLANTA CLEARLY DISPLAYS THERE ARE MORE FLIGHTS FROM THESE AIRLINES AT EACH AIRPORT.

FURTHER RESEARCH HAS REVEALED THAT THE INCREASED VNUMBER OF ORIGINATING FLIGHTS IS DUE TO THE INDICATION THAT THE LOCATION IS THE AIRLINE'S HUB; WHICH RESULTS IN MORE DELAYS BEING CAUSED.

DESIGN COMMENTS:

- A packed bubble chart was chosen to represent the distribution variance of the 2 airlines and 2 airports.
- Filters were utilized to reduce the number of airlines as well as the number of airports to the selected 2 for each category.

Delta Airlines main hub is in Atlanta (ATL).

<https://www.delta.com/us/en/airports/united-states/atlanta-sky-club-airport-map#:~:text=Hartsfield%2DJackson%20Atlanta%20International%20Airport,architectural%20additions%20and%20features%20throughout.>

United Airlines main hub is in Chicago (ORD).

[https://united.mediaroom.com/airport-fact-sheets?item=29971#:~:text=O'Hare%20International%20Airport%20\(ORD,terminal%20space%20at%20the%20airport.](https://united.mediaroom.com/airport-fact-sheets?item=29971#:~:text=O'Hare%20International%20Airport%20(ORD,terminal%20space%20at%20the%20airport.)

AIRPORT LOCATIONS

Hartsfield-Jackson Atlanta International Airport (ATL)

Delta's hometown airport touts an extensive art collection and many dining options. In the middle of a complete renovation, you'll also see new architectural additions and features throughout.

Delta Airlines main hub is in Atlanta (ATL).

<https://www.delta.com/us/en/airports/united-states/atlanta-sky-club-airport-map#:~:text=Hartsfield%2DJackson%20Atlanta%20International%20Airport,architectural%20additions%20and%20features%20throughout.>

UNITED



Chicago O'Hare International Airport



O'Hare International Airport (ORD) is United's hometown hub and the sixth busiest airport in the world. United operates more flights out of ORD than any other airline and occupies nearly 950,000 square feet of terminal space at the airport. O'Hare's strength and prominence stand to improve significantly with a historic terminal expansion that will soon get underway. An \$8.7 billion capital program will deliver increased gate capacity, millions of additional square feet of terminal capacity, and innovative technology and amenities that will bring a new level of service for passengers traveling domestically and internationally through Chicago O'Hare.

United Airlines main hub is in Chicago (ORD).

[https://united.mediaroom.com/airport-fact-sheets?item=29971#:~:text=O'Hare%20International%20Airport%20\(ORD,terminal%20space%20at%20the%20airport.](https://united.mediaroom.com/airport-fact-sheets?item=29971#:~:text=O'Hare%20International%20Airport%20(ORD,terminal%20space%20at%20the%20airport.)