

Build a Data Visualization project

Guiding Question:

Which states are people travelling to the most?

Insight #1

Link: [Visual 1: Map- Number of Flights by State](#)

Summary:

With this map we can see where the most amount of flights occurred in the United States. The most amount of flights happened in California with 33,331, and Texas with 32,612. Florida, Illinois, and Georgia rounded out the top five. The state with the least amount of flights was Delaware with 6 flights. We can also filter my month to see how the number of flights change by month.

Design:

I chose to color by state instead of size or details because with color it is easier to see the range in number of flights as well as see which states have the most flights.

Resources: NA

Insight #2

Link: [Visual 2: Dashboard- Number of Flights by State](#)

Summary:

With this dashboard we get a clearer look into the number of flights by each state depending on the month. Here we can see that as we change the month, the state with the largest number of flights changes with it. For example, Texas had the most flights in January even though it didn't have the most flights over the year.

Design:

I chose to show this insight with a bar graph instead of just the map because the shading of color gets too similar when the numbers are relatively closer together. With the bar graph it is a lot clearer which states have the most flights. I also chose to use a single color instead of coloring by state because in that case the color would detract from the insight I was trying to convey.

Resources: NA

Insight #3

Link: [Visual 3: Dashboard- Number of Flights by Airport](#)

Summary:

We can drill down even further into flights by state/month and look at flights by the airport in each state and month with this next dashboard. Here we can see that most flights coming into Texas are coming into DFW or Dallas-Fort Worth International Airport followed by IAH or George Bush Intercontinental

Airport. We can also change the month to get more information, but the top airports never changed in Texas.

Design:

For this dashboard I made the state a single dropdown so as to not get overwhelmed with data. I also made the top workspace a single color as there was no need to add more color to the graph because the airports are clear to see without additional color. For the second workspace used a multiple dropdown so multiple, all, or single airports can be chosen. This way it can be seen how the different airports stack up with each other over time as well as travel trends over the months. I also used a colorblind accessible color preset to differentiate between the different airports which makes more sense over a single color. However, one thing to consider is that for states with many airports, the colors can still get overwhelming unless some airports get filtered out.

Resources: NA