

## Links and Summary:

### Insight 1

[flight cancelation state 1 | Tableau Public](#)

In this visualization, you can find that Chicago O'Hare international airport and Southwest Airlines Co. airline have the worst delays in General but if we selected the last month only we can find that San Francisco International Airport Airport has the worst delays specially in that month.

Design: I used bar chart as it's a categorical data and it's an easy to determine the most and least Airports and airlines which have delays also used a monthly filter to let the audience easily select one or more months to show **which airlines or airports have the worst delays in this part of time.**

Colors are normal: needless to add colors to a simple bar charts which it won't add any additional value or benefits.

### Insight 2

[story 1 | Tableau Public](#) .

In this visualization story we see in part one that departure delay and arrival delay are part of the flight that causes the most delays in almost all months of the year especially in June and July.

Also in the second part we find that Chicago and Hartsfield Airports have the worst delays.

Design: I used bar chart as it's a categorical data as it's an easy to see the variance between parts of the flight causes the most delays and I presented it as a story to show more than one visualization answering all parts of the question, Also line charts are best suited to represent time series data as it is easier to perceive trend over time on line charts.

I added a **filter to exclude 0 and negative values from my visualization**

### Insight 3

[flight cancelation state | Tableau Public](#)

In this visualization, you can find where the most canceled trips are.

It occur in TX 688 trips and IL 563 trips

Also we see that WV and MT share the least number of canceled trips (3 trips only)

Design: **A map is best suited here as I had to plot state-wise flight cancellations which involves geographical data.** I used a sequential blue color wherein the darker the blue color, more the number of flight cancellations. This type of coloring makes it easier to quickly spot which states have high/low cancellations. I added a month filter so that readers can dig which states have the highest and lowest cancellations in each or a range of months.

**Resources:** <https://www.youtube.com/watch?v=9xqHA732LMA&feature=youtu.be>

