Insight 1

Which airlines or airports have the worst delays?

- Link: Tableau public.
- Summary: from the bar charts, we can easily see the airport and airlines that have the worst delays and the best delays. The best airport in terms of delay is Gillette-Campbell County Airport with -471 seconds delay, the best airline in terms of delay is Alaska Airlines Inc. with -4007 seconds delay, the worst airport in terms of delay is Chicago O'Hare International Airport with 98,900 seconds delay, and the worst airline in terms of delay is Southwest Airlines Co. with 289,992 seconds delay.
- Design: I used four colored bar charts to make it clear and simple and did not use colors that not good for colorblindness.
- Resources: YouTube video, Stack Overflow Question.

Insight 2

What causes delays?

- Link: Tableau public.
- Summary: here we need to know the causes of the delays that airline can fix, so I did not include weather delay. I filter the airlines to just Virgin America to make the visualization easier, we can see here the difference in delay is vary between airports, each month is different from the other month, the worst delay happens in the Dec, and there is a strong correlation between the number of flights and the delay.
- Design: I used two bar charts to clarify the differences in the delay between months and used colors to clarify the count of flights for each airport.
- Resources: N/A.

Insight 3

What is the cancelation percentage for each state and what is the most cancelation reason?

- Link: Tableau public.
- Summary: we can see in the map the US states colored by cancelation percentage, and Cancelation per state chart shows that VT state has the highest cancelation percentage with 4.469% and it is far from the second, and Cancelation reasons chart shows that the most cancelation reason is the weather.
- Design: I used the colored maps to make the visualization more clear and easier to understand.
- Resources: YouTube video.