

Insight 1

Insight one tells us the airline that had the highest amount of cancellation. From the chart, we can see that Southwest had the highest cancellation of 818 flights while Hawaiian Airline had the lowest with only 8 cancelled flights. I used a bar graph to create this insight as it offered a clear comparison of numbers. This chart easily highlighted difference between the categories. I was also able to show the data on two axis by using this type of chart. I also used a day filter in this comparison so we could see which day of the week had the highest cancellation.

<https://public.tableau.com/app/profile/randaneke.brown/viz/RandanekesTableauproject/Whichairlinehasthehighestcancellation?publish=yes>

Insight 2

This insight tells us that June had the highest cancellation reported for 2015. I also chose a bar chart for this insight as the information is in a categorical format and this is best displayed on a bar chart. This chart makes it easier to identify trends and numerical pattern in the data. I added a filter for state so we could see that changes in cancellation based on the state that we are in. With this filter we could easily answer questions such as, which month a particular state has the highest cancellation.

https://public.tableau.com/app/profile/randaneke.brown/viz/Insight2_16924542842660/Whichmonthhadthemostdelays?publish=yes

Insight 3

Insight three showed us that weather accounted for more than half of the cancelled flights. I used a pie chart for this insight as I wanted to clearly show what proportion of the data each cancellation reason accounted for. I also chose the pie chart due to only having 3 variables to display, this means my chart wouldn't be crowded. I also used a day of the week filter for this insight to see which day contributed most to the cancelled flight. I chose a color-blind pallet to ensure that my charts can be read by everyone. I also changed the day of the week from a number representation to text as I believe it is a better representation.

https://public.tableau.com/app/profile/randaneke.brown/viz/Dashboard3_16924197126810/Whatfactorcausedthemostcancelledflight?publish=yes

Insight 4

Texas had the highest cancellation for a total of 668. I used a map to represent this insight as I am presenting the information based on geographical information. When you look on the map you can see that the darker colors represent the states with the highest cancellations while the lighter shade represents the lowest cancellations. While Texas had the highest overall cancellation, when I added a filter for the reasons and days of the week, we can see the changes across states based on the day of the week and the cancellation reason.

https://public.tableau.com/app/profile/randaneke.brown/viz/Insight4_16924136781900/Whichstateaccountedforthemostcancelledflights?publish=yes

Dashboard

This dashboard shows a combination of insight 1, 2 and 3.

https://public.tableau.com/app/profile/randaneke.brown/viz/Dashboard_16924142393600/Dashboard1?publish=yes

Resources

I used the YouTube video provided in project overview as well as the corrections received from the reviewer to make changes after my first submission.