

Insight 1

https://public.tableau.com/app/profile/basem2493/viz/Book1_16502310492840/Dashboard1?publish=yes

In this dashboard, I want to see if there is a correlation between the number of flights and the number of delays and cancellations in each state.

Indeed, as it appears, the greater the number of flights, the greater the number of delays, and thus the greater the number of cancellations and this indicates a significant correlation.

Design

I chose this type of chart because we want to deal here with a geographic location which is the state we want to show the associated data for so I think it's the best representation of the data in this case.

Insight 2

https://public.tableau.com/app/profile/basem2493/viz/Book1_16502310492840/Dashboard2?publish=yes

In this dashboard, I wanted to show the most airports in terms of the number of delays and what type of delays are most frequent.

And from it we conclude that Chicago o'hare international airport is the most airport in the US where delays occur, and that the type of delays in which the most number of delays occur at the airport is the departure delay.

Design

I chose this type of chart here because we want to represent categorical data with one variable and the bar chart is the most appropriate representation in my opinion in this case.

Insight 3

Sheet 1

https://public.tableau.com/app/profile/basem2493/viz/Book1_16502310492840/Sheet7?publish=yes

Sheet 2

https://public.tableau.com/app/profile/basem2493/viz/Book1_16502310492840/Sheet3?publish=yes

In Sheet #1 showed the airlines with the most delays.

In sheet No. 2, I wanted to see what kind of delays are most common for each individual airline

The result was also in most airlines that the most frequent type of delay is the delay of departure.

Design

I chose this type of chart for the same reason in **Insight 2**

Insight 4

https://public.tableau.com/app/profile/basem2493/viz/Book1_16502310492840/Dashboard3?publish=yes

In this dashboard, I wanted to see what are the months in which delays occur most, and does the difference in months affect only the number of delays, or does it also affect the order of the type of delays in terms of the most to the least occurrence in each month.

And as it appears in the bottom chart on the dashboard, the difference in months does not affect the majority of the order of the type of delays in relation to each other, but only affects the number of delays.

Design

In this dashboard I used a different chart than the previous one because here I deal with more than one variable at the same time and I want to clarify the effect of each of them on the other separately, so I used colors that are able to distinguish themselves next to each other so that each point is clear and this chart was the most clarification of what I want deliver it.

Story

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