Flight Delays and Cancellations

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1. Links

1.1 What is the worse airline? And why?

https://public.tableau.com/profile/nuha8606#!/vizhome/BAProjectFour-NuhaAloud/Whatistheworseairline?publish=yes

1.2 Which airline is affected by the most cancelled reason?

https://public.tableau.com/profile/nuha8606#!/vizhome/BAProjectFour-NuhaAloud2/Whichairlineisaffectedbythemostcancelledreason?publish=yes

2. Summary

For the first story, I have focused on the average delays per date for each airline, based on Departure Delay and Arrival Delay. In conclusion, the NK airline was the worst airlines based on delays.

For the second story, I have focused on which airline were affected by delays reasons of: Late Aircraft Delay, Airline Delay, Weather Delay, Security Delay, and finally, Air System Delay. In conclusion, WN airline was the most airline that could not handle the reasons of cancelling.

3. Designs

For the first story, I have started my design with summing Departure and Arrival Delays and plotting them with each airline in bar chart. Then, I focused the data into the change in Delays per month, to check weather airline has unstable lines compared to others. It shows that NK has the most unstable line, then I checked the day to recheck if there was higher unstable line than NK, but instead it was a proof that the NK airline has lack of planning that makes it the worst airline to travel with.

For the second story, I have started my design with putting all the data together in bar graph, then I focused my visualizations in Late Aircraft Delays, and Airline Delays, since they have the most repeated delays compared with other reasons. For both separated graphs, they have common airline that does not has the flexibility for each crisis, which is WN airline. To proof that, I created two more graphs, one for the repeated cancelations, and the other for the waisted time delays. Both graphs proof that WN has lack of flexibility.

4. Resources

No resources were added N/A