

Flight Cancellations and delays from 2008 in USA

Summary

This visualization answers how cancellations and delays were like in 2008 in USA. It compares cancellation data to delays by state, month and day of week. The result is that states with high rates of delays also have high rates of cancellations, but not necessarily more flights. In addition to that, it shows that weather and carrier are the most frequent reasons for cancellations.

Design

The project has two kinds of graphs. A map graph was used to illustrate the number of cancellations and delays per state. The reason was this kind of graph clearly shows if nearby states have similar behavior. The rest of the information is displayed as bar charts, as its simplicity makes it easy for the viewer to compare the different kinds of data.

Feedback

The first version of the project was published to the Slack community.

Project Version 1

The feedback received was the one below.

[“Hi @Jessica Lima visually it looks awesome :clap clap:. I think you should remove the NULL values since it doesn't show any values.”](#)

[Also, for the bar chart in for each month in the second story, I think it is better if you ordered it by month instead \(January, February, so on\) so readers can see the flux within months. The same applies to the days in story 3.](#)

[Overall, it is a nice visualization. :relaxed:”](#)

The feedback was used to create a second version of the project.

Project Version 2

Resources

N/A

Data Files

flights-2008-enhanced.csv – Data file containing flight data, joined with carrier and airports info;

Project - DAND Flight Delays.ipynb – Jupyter notebook used to join the datasets.