Tableau Flight Data Visualization

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•**Summary**:

The data set I used is from the Rita website and can be downloaded at the below link:

https://www.transtats.bts.gov/OT_Delay/OT_DelayCause1.asp

Visualization

First Version

https://public.tableau.com/profile/riley2642#!/vizhome/Projectv1_4/DelayDashboard

Final Version

https://public.tableau.com/profile/riley2642#!/vizhome/Projectv3_2/Story1

I downloaded data ranging from 2008 – 2018. I wanted to build some vizualizations to answer the following questions about this data set:

1. Which airlines have the longest delays?

2. Which cities have the longest delays?

3. Which airlines have the most canceled flights?

4. Which cities have the most canceled flights?

5. Which delay in the various delay categories causes the longest delay on average?

6. Which Month of the year has the most/longest delays?

•**Design**:

For the first two slide I chose a similar design scheme that I thought would highlight the observations best. They feature a map with the airlines appearing, sized by the number of records. The first and second maps are colored by Avg. delay in minutes and average number of cancellations respectively. This displays a lot of information about these fields at a glance, such as where the most effected airports are, and how many flights those airports have.

Below each map is a bar chart depicting the same data as the above map, colored by number of records, with respective delay and cancellation numbers on the horizontal access. This allows the most effected airports to be seen at a glance. These sheets can also be filtered by both the number of records and the Delay or cancellation metric.

The final page shows some different information about delay. There are two bar charts, one with the different types of delay, and one with the average delay by month.

 collecting feedback: No feedback received as of yet

•**Feedback**:

Feedback received from Yash Singhal in Slack

I. Liked the visualization, there was some work great work done on geographic plotting. One thing that can be improved that the story around your visualization, about what you want to show through the plot should be more clear. Also I felt that there was too much of a Information in couple. Of slides, maybe tone down the graphic or maybe adjust the layout. It just felt little clustered that's all

Rest I think is. Pretty well done

Response:

 In response to this feedback, I added a few additional scentences to the comments on the visualizations to better explain the story. I also cleaned up the plots a little, moved and rezied some of the legends.

- **Resources**: N/A