

First Version :

https://public.tableau.com/profile/srijon.sarkar#!/vizhome/flights_dataver1/AnalysisofUSflightdatain2004-2015

Final Version :

https://public.tableau.com/profile/srijon.sarkar#!/vizhome/flights_data_ver_4/AnalysisofUSflightdatain2004-2015

SUMMARY:

- 1) From 'Airline Category Delay Stats', we can see small airlines facing more delay % than others due to NAS. On the other hand, major airlines have least delay % due to NAS.
- 2) Major airlines have higher delays due to their own Late Flights. Smaller airlines are lesser affected by it.
- 3) From the 'traffic vs Delay%' graph , we see major airports, which have high traffic, often have lower % of delays than smaller airports having lesser traffic. Hence we cannot conclude that higher traffic leads to more delays.
- 4) No overall drop or increase in delays over the years.

DESIGN CHANGES:

1. In the final plot of 'airport traffic vs delay %', changed the marker shape from 'o' to '+', and decreased its size too, so that it seems less cluttered.
2. Changed the colour scheme in the second plot 'Airport Category' so that difference in shade is more visible, unlike the blue colour scheme, for which the lighter shades seemed to get lost in the background.
3. In the airport vs airline plot, shaded the whole cell instead of only the text, which made it easier to find the highest and least delay values.

FEEDBACK RECEIVED:

- 1) Use better colours to plot the cities/airports, something which makes the difference more visible.
- 2) Change 'value' title on y axis on the 'Delay % over the years' to something more descriptive.
- 3) Airport traffic % vs delay scatter plot looks cluttered.
- 4) Change 'value' title on y axis on the 'Delay time per type' plot to something more descriptive.
- 5) Shade cell and not the text value in cell in the airline vs airport delay table.
- 6) Get all airlines belonging to a particular category together in the airline vs airport table.
- 7) Display airport name with city in the 'Airport Traffic vs delay%'

RESOURCES:

- 1)Stack overflow
- 2)Tableau online community