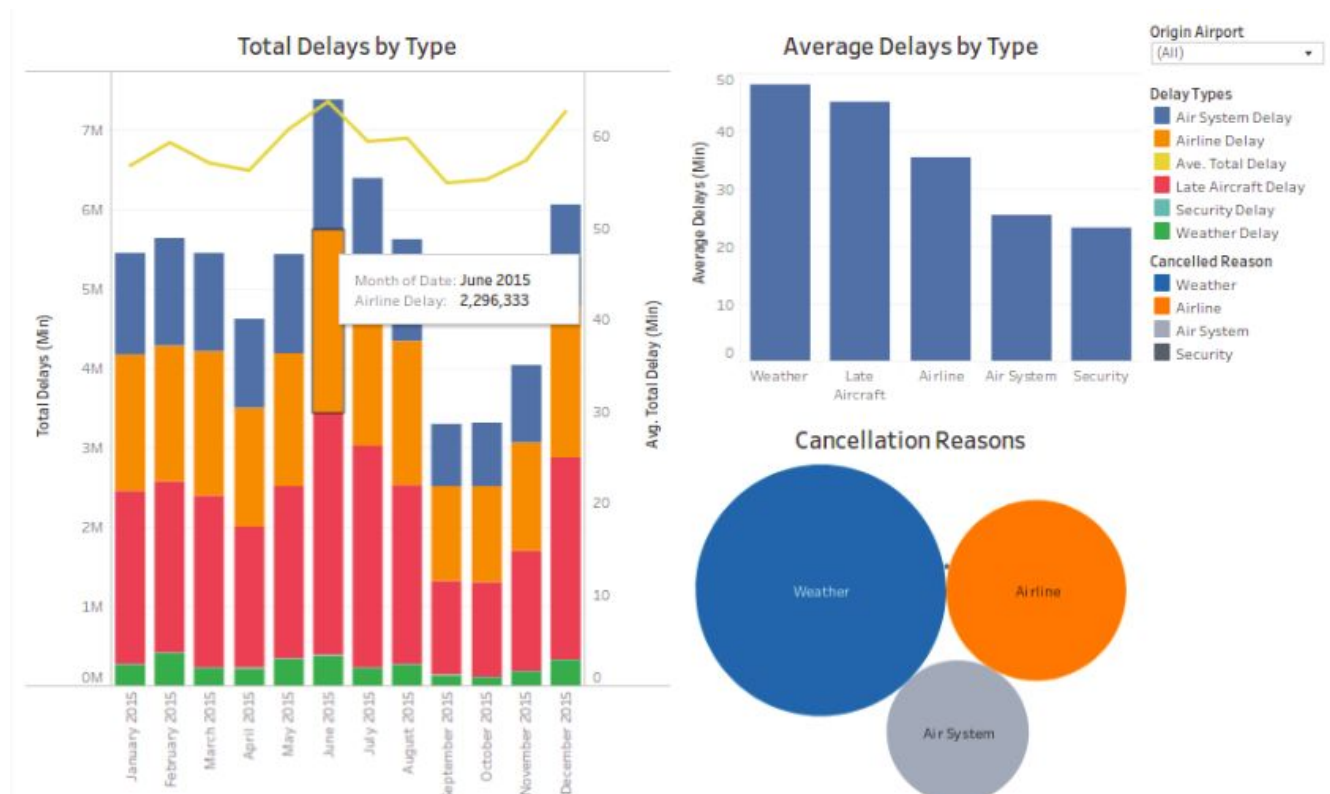


Telling Stories with Data

(Flight delay dataset)

❖ What Caused the Most Flight Delays in 2015?



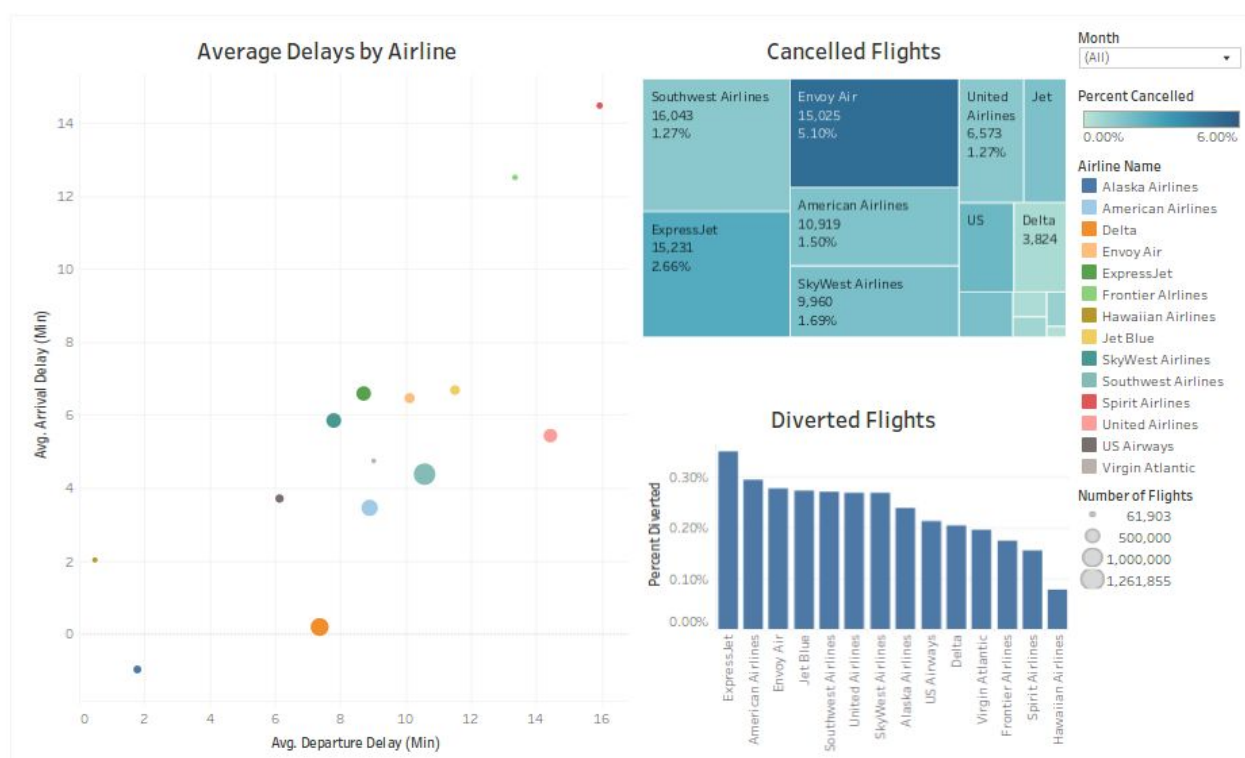
- The following is a Tableau dashboard that analyzes what causes delays and cancellations of select airlines in 2015.
- It can be seen most of the delays are caused in June 2015 .
- The three most seen reason in flight delays are Bad Weather, delay caused from airline and air system .
- But as expected most of the delays are due to weather ,
- I have chosen bar charts to make feel the difference of factors causing delay and stacked bar charts for clear visualization of the majority delay caused by which reason and which reason caused most delay in month and weather seems most disturbing in june month

❖ Which Airlines Had the Most Delays in 2015?

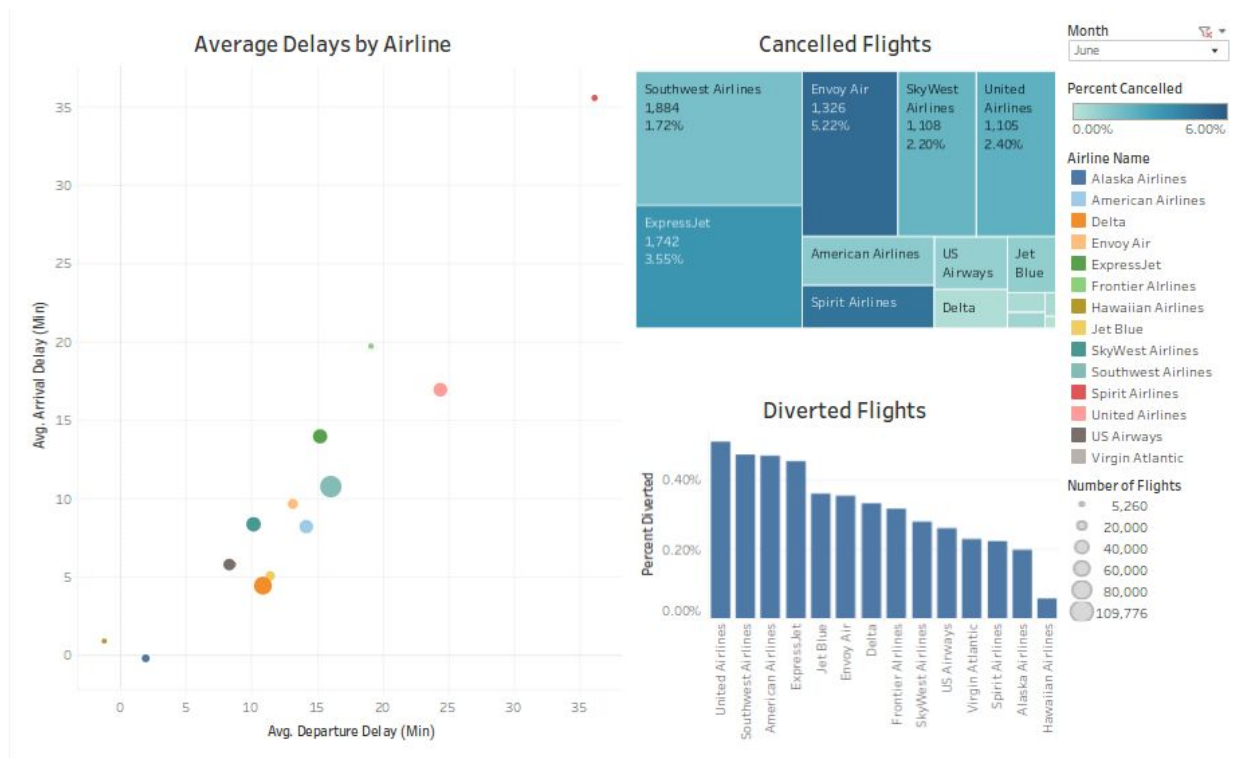
The following is a Tableau dashboard that analyzes delays and cancellations of select airlines in 2015.

I wanted to see which airlines had most delay in June

Before:



After:



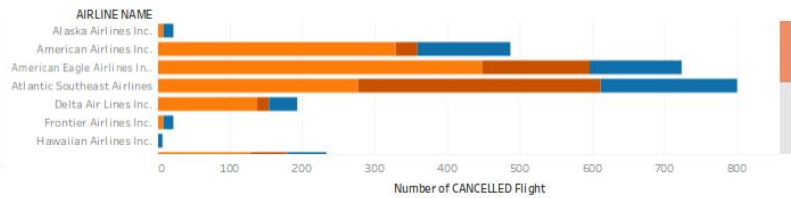
- We can see most of the cancelled flights are from Southwest airlines.
- Most diverted flights are of United Airlines.
- I have used Tree map for displaying the hierarchical data so that for easy understand the visualization as Each branch of the tree is given a rectangle, which is then tiled with smaller rectangles representing sub-branches, which will give easy visual communication to client or viewers.

❖ What causes Cancellation?

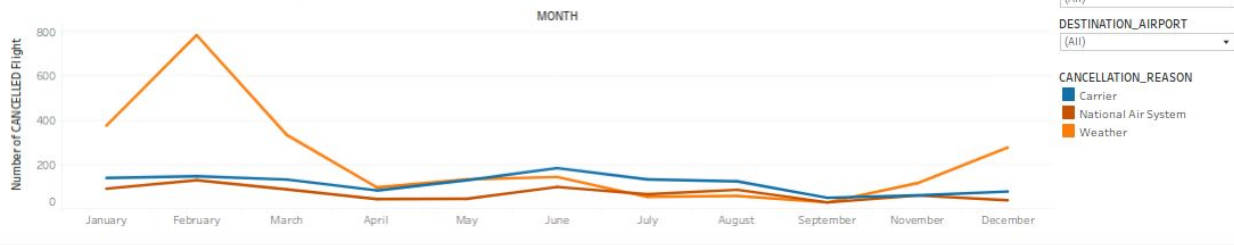
What is the main reason of Cancel?



Which airline has the worst cancel record?



Which month does Cancel usually occur?



- We can see most of the cancellation are caused during Jan - March and mostly due to weather .
- And the three most popular reason is weather, National Air system and carrier.
- I have used line chart to get clear visualization of the time band when cancellation is caused and most given reason for it .