1.Airport Delay

Link1:-

https://public.tableau.com/profile/rahul.kumar1488#!/vizhome/Project_dashboard/N_airport_delay?publish=yes

Link2:-

https://public.tableau.com/profile/rahul.kumar1488#!/vizhome/Project_dashboard/AirportDelayAirlineDelayNew?publish=yes

Summary:-

- I have shown airport delay in various city of USA in link1
- I have calculated airport delay,by summing up absolute value of departure delay and arrival delay
- Clearly from the dashboard chicago has most airport delay
- There are four-five major city in USA which has most airport delay .These are Chicago ,New York,Los Angeles,San Francisco,Seattle,Ft. Lauderdale

Design:-

- I have taken world graph to show the city which has most airport delay
- I have made it simple and more cleared by considering feedback

Resources:-

http://www.ifly.com/flight-delay-causes

2.What Causes Delay?

Link:-

https://public.tableau.com/profile/rahul.kumar1488#!/vizhome/Project_dashboard/AirportDelayAirlineDelayNew?publish=yes

Summary:-

- **It has two visualization .In first part Reason of delay and second part Weather delay in one dashboard**
- I have shown in the first part of visualization the reason of delay due to airlines and airports.
- In airports there are various reason for delay like security delay,late aircraft delay,weather delay,air system delay,I have summed all the reason
- There are some major airports which has more airport delays -Airport
  Hartsfield-Jackson Atlanta International Airport has
  Airport delay-101430
  Airline delay-64,439
  Airport
  Dallas/Fort Worth International Airport has
  Airport delay-102,248
  Airline Delay-54,409
  Airport
  Chicago O'Hare International Airport has
  Airport Delay-150,189
  Airline Dealy-61,985

- We can see that Chicago O'Hare International Airport has more airport delay
- We can see from the other values also ,the airport which has maximum delay has also maximum airlines delay also
- No it does not depend upon the the time of year,Busiest airport are always busy irrespective of time

Design:-
- There are two reason for delays airlines delay and airport delay ,so I have taken this graph
- I have made it simple and more clearer to the end user by considering feedback

Resources:-
https://en.wikipedia.org/wiki/Flight_cancellation_and_delay

3.Weather Delay

Summary:-
- **It has two visualization .In first part Reason of delay and second part Weather delay in one dashboard**
- I have shown in 2nd visualization which has month has more weather delay in the dashboard
- Weather delay is more in february and in june
- Highest delay is in february
- September has least weather delay
- From the dashboard we can see that from Jan to feb weather delay is increasing and from feb to march it is decreasing and so on…

Design:-
- Since weather depends on the month ,So I have shown weather delay in various month
- I have made it simple and clearer to the end user by considering previous feedback

Resources:-
https://www.nats.aero/question/how-does-bad-weather-affect-air-traffic-control/