Tableau Story

Summery :

From the first bar chart I have noticed that “Southwest Airlines Co.” has the most arrival delays out of all and Virgin America Airlines has the least delays. I tried to detailed it by month depending on the feedback I got , and this show that In January, Southwest Airlines Co. has 12,615 airline delays. While in Virgin America Airlines it has 1,352 delays. After I have seen the number of arrival delay , this lead me to want to know what is the reason ? I found out that there are many different reasons for delay which are “ Air System Delay , Late Aircraft Delay , Security Delay , and weather Delay “ and Late Aircraft Delay coms first while the least cause of delay is security delay. The first day of the week is Monday, then the weekend is Saturday and Sunday from my insight we can see that the day which has the least delay are weekend days , while the highest delay is on Monday , from this we noted that the arrival delay doesn’t effected by the weekend. Based on months , the most delay is at June and July. Also, it is Not right that when the state is big the cancellation will be higher than other.

Design :

- I choose a bar chart for my visualization and then I sort it in ascending order so it be easy for audience to understand which airline have the most delay and which have less. I also have mark it with month based on the feedback I got , to be clear to the audience to know in which month there are more delays.
- I choose bar chart with different color to each cause of delay , so it is easy to audience to know how much the causes could effect on each airline.
- I choose a line chart for my visualization so the audience can recognize and understand the graph. I also made the week start from 1 to 7 .also , I rearrange months and made it start from 1 to 12.
- In the last insight , I have added a map to prove to the audience the size of state have no impact in cancellation number , I added map because the first bar chart was not clear enough to the audience .

FeedBack :

- For the first graph you should add the number of month that the delay were on, so we can know which month have more delay
- For the Days and Month , its start from 0-8 , 0-12 as these numbers do not make sense in the context of weekday and month fix them.
- For the last graph you write “ We can see that TX , IL , CA has the most cancelled trip , and they are not the biggest state. “ it is not clear to the audience since not all audience know the size of each state , try to fix this issue and make it obvious .

Resource :

I got my dataset from Kaggle.
https://www.kaggle.com/nagasaig9/predicting-flight-delays-tutorial/data

My First Story :

https://public.tableau.com/profile/shahad7446#!/vizhome/AirlineDelay_20/Story1?publish=yes

My Second Story After FeedBack :

https://public.tableau.com/profile/shahad7446#!/vizhome/AirlineDelay3/Story1?publish=yes