

Create Tableau Story Project

Summary:

In this project, using Tableau I have created visualizations for the **flight delays** data, which is downloaded from The U.S. Bureau of Transportation Statistics.

Through the visualizations, I showed that:

Insight 1:

To check airlines cancellations, I looked the cancelation and the airlines wich has the most cancelation and which years was the highest cancelation.

AmericanJet express has the highest arline cancelation of year 2014 the sum of cancelation is 34.128.

<https://public.tableau.com/profile/saidas#!/vizhome/vizprojectfin/Cancelled>

The design, I carefully checked appropriate chart and finely plotted «heat map» as it is Categorical data, I could use scatter plot but since I am not searching the relation between 2 variables I selected this one as it gives us clear insights.

Insight 2:

<https://public.tableau.com/profile/saidas#!/vizhome/vizprojectfin/Diverted>

Here, I am looking the diverted airlines and to quickly look in the details if they are diverted for any reassons related security and weather but when I saw the huge number difference between the arrival diverted and the delays caused the security and weather it is been clear there is no relationship so that I can seperetly investigate the security and weather delays.

Here this insight design I used «Bar charts». Tableau public dont give much choice for the charts, so I tried to choose one we can read clearly which is not overlap and at the same time which is good practice. I used color blind freindly.

Insight 3:

<https://public.tableau.com/profile/saidas#!/vizhome/vizprojectfin/Delays>

Now, I am investigation delays in general. The Arrival delays, security delays and

weather delays which I gave an options to anyone who would like to look the plot a yearly details between the years of 2010 to 2018 as a filter and also airlines names. I used Box and whisker plots.

Dashboard:

Please find the links of the Dashboards

As you suggested I have made 3 separate dashboards

<https://public.tableau.com/profile/saidas#!/vizhome/vizprojectfin/Dashboard1>

<https://public.tableau.com/profile/saidas#!/vizhome/vizprojectfin/Dashboard2>

<https://public.tableau.com/profile/saidas#!/vizhome/vizprojectfin/Dashboard3>

Feedback:

«Please use separate dashboards for each plot»:

https://public.tableau.com/profile/saidas#!/vizhome/Visproject_udacityfinal/Dashboard1

Resource:

1: Tableau charts PDF

2: <http://kb.tableau.com/articles/howto/hiding-null-values-from-quick-filters>