

PROJECT: BUILD DATA DASHBOARDS

INSIGHT 1.

LINK:

https://public.tableau.com/profile/tiyor.abdufattoh#!/vizhome/Flight_Cancellation_Reasons/Dashboard1?publish=yes

DESCRIPTION:

It can be seen that Texas has the highest flight cancellation rate (668) while West Virginia (3) and Montana (3) had the lowest rate. National Air system is one of the major causes for flight cancellations and New York and New Jersey were on the 2nd and 3rd places in this regard. Illinois has the harsh climate and it caused 330 flight cancellations which was 2nd highest rate in 2015.

Tree map was chosen to visually represent this data as it clearly shows the highest and lowest rates in better picture.

INSIGHT 2.

LINK:

https://public.tableau.com/profile/tiyor.abdufattoh#!/vizhome/Delay_Reasons/Dashboard1?publish=yes

DESCRIPTION:

In this chart, it is shown the number of reasons for flight delays in 2015. In overall, departure delays were the highest in this category with 2,649,459 whereas security delays only caused 4,702 flight delays.

Bar chart was used to present this data as it makes easy for readers to understand the data. Different colors weren't used because it may distract the reader.

INSIGHT 3.

LINK:

https://public.tableau.com/profile/tiyor.abdufattoh#!/vizhome/Arrival_DelaysbyAirlines/Sheet1?publish=yes

DESCRIPTION:

This chart represents arrival delays by airlines and tried to answer of the following question: "Does the farthest distance make the arrival delays?". Southwest had the farthest distance (43,873,973) and the most arrival delays (289,992). On the other hand, Alaska had further distance than several airlines had but there were no arrival delays.

In nutshell, the farthest distance is not the main cause for the arrival delays.

Sequential data is represented better with plots. Scatter plot was used for this data as it can be clearly seen the difference in distance and arrival delays.