

Daniel Mejia

DSC-640

Data Visualization

Week 1_2

We are trying to answer if planes are safe, as a travel method. We heard the news, planes falling from the skies because of failures. The people blame the companies for the fault, the company blames the factory and the factory blame the software developers. The circle is vicious in the blaming game! However, we are trying to prove plane safety and not who to blame. The chosen graph was depending on the best one to represent the data.

Some graph work better with some data types. The different data types are categorical & categorical, categorical and number, number and number. Also, some graph might not work with the representation of the data chosen for the set. Sometimes we have a bunch of numbers in series, a line would be great if another number set represents the values. Fatalities and plane companies were chosen together to be represented by stack bar chart because of the insight and best representation for multiple values, with a categorical. A tree map was used to see the most common reasons for car accidents, great representation. The best representation was the car vs plane accident which shows in detail the accidents percentage between the two values. Using PowerBI colors were set automatically, I could have manipulated the colors but saw no point or reason, except for a few graphs.

The findings were staggering and point to the fact the planes are a safe transportation method. More research will need to be conducted to get a conclusion. Cars had more accidents in one year than the entire history of planes crashes. I will provide the team with the information in a neutral manner, let the graphs and information speak for themselves. Visualization is one of the most effective ways to make someone understand the data.

In conclusion, my data was used and portrait depending on the value types! Also, the decision whether to keep the current graph was made after the data was being displayed as a second inspection. Once I was comfortable with the results, I decided to approve the graph for use.