

Milestone 1 : Dashboard Summary

College of Science and Technology, Bellevue University

DSC640-T301 Data Presentation & Visualization (2241-1)

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Dashboard Summary

For the visualizations of the airline safety data, I have planned to show the trends. I started with a bar chart that depicted the total number of Fatalities between 1985-1999 & 2000-2014, drawn from an initial dataset. From this initial look, I then wanted to dive into the data regarding specific airlines. I narrowed it down to the top twenty airlines, since the airlines which have the most people flying will encounter more incidents. I chose mostly bar charts for these visualizations since it's an easy way to depict categories and their differences. By looking at the dashboard, it is quick to determine the airline trends and how to correlate the total number of incidents vs total number of fatal accidents. I have chosen Line charts to show the trend of accidents and trend of Fatalities over the period between 1940 thru 2022.

My plan for sharing this with my team is to lay the basis for the safety in the airline industry, and to share the number of incidents and accidents have reduced over the period of time (taking into consideration for 80 years of data). Taking into consideration with the billions of miles flown by all different airlines , the number of incidents happening are rather low & based on the clustered bar chart , I have represented the top 15 airlines as well. Ethically, it can be very easy to choose data that focuses on the safety of airplanes and masks the reality of how dangerous they can be.