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**Project Task 1: Dashboard**

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### **Airlines Data Analysis**

Airlines Dashboard shows data analysis on Air, Bus and Railroad travel. "airline-safety" file contains airline related data from years 1985 to 2014. Dashboard shows Tree Graph which has all the airlines and accident which caused death in years 1985 to 2014. To further analyze the data, I have created three bar graphs with total incidents, total fatalities, and total fatal accidents between years 1985 to 1999 and 2000 to 2014. I was expecting to have better result in years 2000 to 2014 compared to years 1985 to 1999 because many safety measures were updated and technology improved drastically. By looking at the graph, it clearly indicates that total incidents and total fatalities almost dropped by half in years 2000 to 2014 compared to prior years. Total fatal accidents graph shows best result when we compare these two groups of years, in years 1985 to 2000, total fatal accidents were 122 which dropped to 37 in years 2000 to 2014. This clearly indicates that airline safety measures are constantly updating. Technology plays big role when it comes to airlines industry and numbers say it all.

On the Airlines dashboard, I created another graph which has air, bus, and rail crash data. I used public dataset for this analysis and selected data for air, bus, and rail for years 1985 to 2014. Graph shows comparison of crashes in years 1985 to 2014 in air, bus and rail. By looking at the graph, air travel is the safest way to travel followed by rail while buses are the least safe way to travel. Airlines are consistently doing good with their safety measures.

References:

<https://github.com/Shilpakolekar/DSC-640/tree/main/Week3%264>

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