DSC 640

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Project Task 2

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Summary of Project

I chose the visualizations I did to highlight the trends in airplane accidents and fatalities. I chose the bar graph to highlight the large number of accidents and fatalities for cars. The bar graphs on the same scale are easy to place next to each other to compare. I changed the colors as suggested to orange for accidents and blue for fatalities. The color scheme is color-blind friendly to improve user experience. I plan to stick to the facts and show what my analysis shows. I feel like curating the PowerPoint too much towards executives can create a bias. I added notes throughout the PowerPoint to highlight key talking points. I found that there were significantly more crashes and fatalities associated with cars versus airplanes. Car crash data indicated there were 39249 fatalities and 36164 accidents. Looking at the airplane crash data excluding accident fatalities not caused by crashes, there were 136 fatalities and 8 accidents. Looking at the airplane crash data including accidents/fatalities not caused by crashes, there were 297 fatalities and 4 accidents. Ethical considerations were user-friendliness, misrepresentation, transparency, privacy, bias, and lack of Crash Data. There is always an ethical concern about misrepresentation of the data. To prevent this the same scale was used for each bar graph for easy comparison and to prevent misrepresentation among the public. A slide containing where the information was obtained was inserted towards the beginning of the presentation to add transparency. The crash dataset was only used as a reference point in comparison with airplane crash data from 2020.