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DSC 640

Assignment 3.3 Supporting Documentation

As the presentation on airline safety was for senior leaders, most of the visuals were simple and to the point. Senior leaders do not have a lot of time nor do they want to do calculations in their head to interpret the data results. The first two area charts are comparing incidents and fatal incidents from 1985-1999 to data from 2000-2014. The use of area charts allows for the senior leaders to see both time periods at the same time even though the data overlaps. I used colors that contrasted well so the senior leaders would be able to tell the difference between the two data periods. For the bar chart on motor vehicle deaths, I made it a horizontal bar chart to make it easier to read the years. Though I know pie charts are somewhat frowned upon being used in data science, I included them as they are easy to read for the senior leaders as well as to get the point across of the number of slices in the pie charts.

The area chart for the airline deaths was the best visual I found to represent the change in the number of deaths for each of the years. You can clearly see the rise and fall overall during the almost 90 year period. Lastly comes the most important document. I saved the most important slide for last as all the previous charts were leading up to the comparison of motor vehicle vs. airline deaths. I used a stacked bar chart to show the large difference between the fewer airline deaths compared to the larger amount of motor vehicle deaths by year. This displays to the senior leaders that airline deaths are not nearly as high as motor vehicle deaths and contradict what the media has recently been stating. The last slide is a conclusion to address what the data has shown and how it impacts the airlines overall.