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DSC 640 2.3

For this dashboard I needed to find a dataset that included motor vehicle collisions and fatalities. Once I had this dataset, I was able to create a dashboard with simple visualizations and interactions to show the facts about airline safety versus the alternative which is driving. I kept a simple color scheme that would be visible to everyone including the colorblind and included visualizations that simply stated the statistics between vehicle and airline fatal crashes. My only issue was trying to fit 6 metrics in a dashboard and make it look presentable with the shallow knowledge I have of tableau.

Two scatterplots in the dashboard are detailed and show trends between the two ranges of dates 1985-199 and 2000-2014. These metrics show the airline fatal accidents and incidents between the two date ranges. The X axis show the range 1985-1999 and the y axis shows 2000-2014, The main point of these visualizations is that the majority of fatal accidents and incidents happened between the dates of 1985-1999 and show that major gains in safety were had in the years 2000-2014. I plan on having the audience members have access to the dashboard as they can interact with the metrics to see the difference between each airline and how much safer flying has become.

In my findings the total amount of global fatalities with air travel between the dates of 1985-2014 was about 72% less than the total amount of fatalities with motor vehicles in 2015 in the US. This is even less with US airlines in a single year, it takes the world 30 years to make up 27% of total deaths involving a motor vehicle in the US in 2015.