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DSC640 - Week 5.3

Professor Schneider

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# Airline Safety Infographic Supporting Documentation

In my previous submissions, I had discussed the importance and various supporting evidence for the safety of airlines. This included compiling and submitting a blog post for the public to be informed on. This milestone took the data, visualizations, and new datasets to be compiled into an informative infographic. The infograph was then saved to a PDF which allows it to print on poster board.

The first item I researched was what makes a good infographic. From that, I learned that effective visualizations first tell a story. This is why I chose the six visual flows around a central theme of the airline safety. The flow of the visualizations for the airline data should lead the viewer through the entire story. In addition to storytelling it should provide new perspective, have practical value, and be well structured with a single key message in mind.

The approach I took based off this knowledge was first centering the infographic on a catch phase of everything you need to know about airline safety. I think walked through audience through the various visualizations, starting with ribbon graphs and moving on to comparisons of leading cause of death in the United States. I supplemented this infographic with a new dataset which included 100 years of airline data. It then ended with the improvements in the last 40 years and the spatial comparison of crash data.

In conclusion, from the infographic it can be seen that airline travel is still the safest form of travel. This was demonstrated through an easy to consume visual. The visual flowed in an efficient manner for the reader, and drove towards a single key message. I would not hesitate to continue to utilize airlines after reviewing this infographic and associated safety metrics.

**Github Link:** [alarosa569/DSC · GitHub](https://github.com/alarosa569/DSC)

**Source Box from Infographic**

https://www.sciencedaily.com/releases/2020/01/200124124510.htm

https://www.aerotime.aero/24350-fatal-airline-accidents-on-decline-2019-preliminary-data-shows

https://www.bbc.com/news/business-50953712

<https://www.cdc.gov/nchs/fastats/leading-causes-of-death.htm>

**Citation**

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Datopian. (n.d.). Motor Vehicle Safety Data. Retrieved January 10, 2021, from https://datahub.io/JohnSnowLabs/motor-vehicle-safety-data#readme

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