

### Airline Dashboard

**Project:** Create a dashboard to present the facts and figures relating to Airline Safety from 2000 – 2019. The objective is to analyze the data and confirm or deny the concerns surrounding airline travel. The goal is to convey the message that Airline travel is not any more dangerous than vehicular travel by showing a comparison of similar metrics.

**Methodology:** Segment the Dashboard into two distinct parts. One part shows metrics associated with the Airline Safety and the other part contains metrics for Vehicular Safety. In the Airline segment, a bar graph depicts the number of national airline carrier fatal accidents during the years 2000 – 2019. Additionally, a line chart shows the fatal accident trend during the same time span. The third graph is the average number of miles flown per year. This figure includes national general aviation miles.

**For a comparison, the Vehicular Safety segment contains similar metrics. A bar graph depicts** the average number of fatalities per group of people. These groups are Drivers, Passengers, Motorcyclists, Pedestrians, Pedalcyclists, and Unknown. The second graph is a line chart showing all vehicular fatalities from 2000 – 2019. The last graph shows the average number of vehicular miles driven, billions, per year.

Each segment has its own color to visually separate the metrics. The subdued hues of blue and the primary color orange, provide the contrast and distinction for the graphs. There is a balance of white space around all objects to provide for an uncluttered landscape. The fonts and lettering are consistent across all graphs to provide symmetry and cohesiveness.

**Datasets:** The datasets for this project are:

- F. (n.d.). *data/airline-safety at master · fivethirtyeight/data*. GitHub. Retrieved September 26, 2021, from <https://github.com/fivethirtyeight/data/tree/master/airline-safety>
- National Highway Traffic Safety Administration. (n.d.). *FARS Encyclopedia*. NHTSA. Retrieved September 26, 2021, from <https://www-fars.nhtsa.dot.gov/Main/index.aspx>
- BTS. (n.d.). *U.S. General Aviation Safety Data*. Bureau of Transportation Statistics. Retrieved September 26, 2021, from <https://www.bts.gov/content/us-general-aviation-safety-data>

Github Link: <https://github.com/cjorosco/DSC640/tree/main>

