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Project Task 1: Dashboard

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The dashboard that I created is intended to provide initial findings regarding the safety of flying. I chose data that compares air accidents and fatalities to those of automobile travel to highlight the low occurrence of airline accidents compared to automobiles since automobile travel would be the most likely replacement for air travel. My expectation would be that this could start discussion around number of travelers which could require deeper analysis in later project steps in order to normalize the data. I also showed a graph for both air and auto accidents over time to show a downward trend in airline fatalities. While auto fatalities also had a downward trend it did also have an uptick again in more recent years. Last, I chose to show fatalities by specific airline and by continent in order to answer any questions as to whether there are certain airlines or areas that stand out as having more problems. I mainly stayed with default color schemes with basic colors.

My initial analysis shows a much lower number of fatalities in air travel than traveling by car. As mentioned above, there was also a noticeable downward trend indicating that safety has improved over time. For my graphs I removed some of older data in order to match the amount of data available for auto data and what I had seemed sufficient for my purposes and also removed airlines that had no or very few fatalities to compare.

Datasets used for this dashboard include:

Airline-safety.csv retrieved from: <https://github.com/fivethirtyeight/data/tree/master/airline-safety>

Accidents and Fatalities per Year.xlsx retrieved from:

<https://docs.google.com/spreadsheets/d/1SDp7p1y6m7N5xD5_fpOkYOrJvd68V7iy6etXy2cetb8/edit#gid=1448957446>

Trends General.aspx retrieved from:

https://www-fars.nhtsa.dot.gov/Trends/TrendsGeneral.aspx