

Dashboard

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Air travel is still profitable and by far the most preferred way to travel. Based off the 'Airline Profit' graphic, for the past 40 years, airlines have been growing steadily in earnings along with departures as displayed in the 'Airline Departures' graphic. However, customers are still concern about incidents, accidents, or fatalities. Observing the 'Airline Incidents' graphic, more incidents tend to occur from US airlines compared to non-US airlines, yet, as showcased in the 'US Airline Accidents' graphic, for the past 20 years, there has not been more than 50 accidents in total as well as no more than 6 fatalities transpired from those accidents. Lastly, presented in the 'Airline Fatalities' graphic, more non-US airlines possessed fatalities while US airlines, in contrast, held fewer. The 'US Airline Fatalities' supports this claim due to the fact that after 2001 (9/11), there was less than 50 to practically 0 fatalities to befall US airlines within the past 20 years from the stricter regulations placed on all US airlines after the tragedy of 9/11 happened. Thus, in conclusion, air travel is still a frequent option that patrons partake in to travel to various destinations whether for business or pleasure. Exhibited from the dashboard of *Air Safety*, more non-US airlines will have accidents or fatalities to pass while US airlines chance with incidents.

The color scheme that was chosen was inclined to a red hue where the prominent demonstrations were of the fatalities of both non-US and US airlines. The red tint in the dashboard called *Air Safety* was harnessed to the fact that red symbolizes a wound color or simply put, blood. Out of the 6 visualizations in the dashboard, 4 showed incidents, accidents, or fatalities to where the varied pigments of red produced a similarity within the graphics to offer a relationship among the visuals.

Lastly, for the visualizations, 'Airline Profit' had both a line plot and bar chart to display the relationship between **Operating Profit** and **Net Profit**. For 'Airline Departures', an area chart was chosen to demonstrate the growth of departure rate within the past 20 years. For 'US Airline Accidents', dual line plots was utilized to compare **Accidents: Fatal** versus **Accidents: Total**. For 'Airline Incidents', a stacked bar was employed to present the varying incidents of airlines. For 'Airline Fatalities', a bar chart was exploited in a way from most to least or ascending to descending for the several airlines. Finally, for 'US Airline Fatalities', a line plot was applied to showcase fatalities within the last 20 years for US airlines.

[Airlines For America | Annual Financial Results: U.S. Passenger Airlines](#)

[Airlines For America | Safety Record of U.S. Air Carriers](#)

<https://github.com/BVUjac8/Dashboard-Air-Safety.git>