

Project Task 1: Dashboard

The main objective of this dashboard is to combat the negative publicity around the airline industry. Unfortunate incidents are very hurtful either while you travel in an Airline or through any other modes of transportation. However bad branding the Airline Industry due to a few such incidents would be incorrect. Using data, I have shown that airline travel is very safe even though it involves risks like all other modes of transportation. It in fact is much safer than any other modes of transportation. For this I have compared the accident reports of automobile vehicles vs airlines. I have shown how fatalities have decreased over the years. Please find below the details of each chart I have prepared.

1. Motor vs Airline Crashes: The chart compares the total number of Motor vehicles crashes versus the Airline crashes. It clearly shows that the Motor fatalities are way higher than the Airline crashes. Motor fatalities are in thousands whereas airline fatalities are in lower hundreds.
2. Top 5 Airlines with most fatalities between 2000-14: This chart shows the top 5 airlines where maximum fatalities have occurred between 2000-2014.
3. Fatalities/Incidents/Accidents 85-99 vs 00-14: This chart is an indication that the Fatalities/Incidents/Accidents have reduced over a period. The counts have drastically reduced when you compare the numbers from 1989-1999 vs 2000-2014.
4. Fatal Accidents by Airline: 85-99 vs 00-14: This is a follow up of my previous chart to show the numbers by Airline. We can see a drastic reduction in the numbers.
5. Fuel Expense vs Net Profit: This chart provides us an insight on the financial aspects. Fuel price plays an important factor in determining the Net Profit. In 2008 due to the recession, the Fuel Expenses were costly and with less flyers we can see that the Net Profit was in negative. This shows the importance to show to customers that Airline is safe.
6. Airline Crashes over time: With the advent of technology, the Airline industry has put in a lot of effort for R&D to improve the safety of its customers. This graph shows the results as the Airline crashes have decreased over time.

From the above charts, we can clearly see that the number of Airline Fatalities has reduced a lot over time and the numbers are negligible when compared to other types of transport.

Supporting Data Source:

<https://github.com/fivethirtyeight/data/tree/master/airline-safety>

<https://www.airlines.org/data/>

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