

# Air Travel – How Safe is it?

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A general assumption when we think about the safety during transportation is that Road travel is better than Air travel. Most of the time people think Air travel is riskier. After all, an air crash is catastrophic, with more loss of life, injury and property damage than a car accident. But is it true?

Airline accidents are highly publicized when they occur however airline accidents are extremely rare. These accidents are so rare that airline travel is statistically the safest mode of transportation overall. Based on actual data, we clearly show that Airline travel is the safest mode of transportation and is much safest when compared to automobiles which usually is the preferred mode.

- When compared accidents to the total miles flown, in the year 2014 we can see 0.0036 accidents for every one million miles flown.
- In 2019, we had over 1 billion passengers who have travelled in Airlines.
- From a business perspective, Airline operating revenue in 2018 alone was \$814,200. It is a good trend for the Airline Industry.
- We have around 750,000 employees working in the Airline industry today who try to make Airlines a better and safer mode of transportation.
- We have seen a decrease in the Airline crash in the last 3 decades. The graph has been represented in our infographic and it is due to the amount of hard work and innovations in airline industry.
- When we compare Airlines to Automobiles, the difference between the Annual average fatalities is huge. Around 742 in Airline when compared to 34,903 in road/auto travel.
- By presenting the above facts and the visualizations in the Infographic, we can certainly have the right impact on the public opinion.

Reference:

<https://www.kaggle.com/fivethirtyeight/fivethirtyeight-airline-safety-dataset>

<https://catalog.data.gov/dataset/accidents-fatalities-and-rates-1995-through-2014-for-u-s-air-carriers-operating-under-14-c>

<https://www.kaggle.com/crowdflower/twitter-airline-sentiment>

<https://www.bts.gov/topics/airlines-and-airports-0>

GitHub Link:

<https://github.com/vinaynagaraj88/DSC640---Data-Presentation-Visualization>