

Airline Data Safety Summary

The graphing results shown prove to the company that air travel is in fact very safe in comparison to other ways to travel like car. As shown in the 2019 car crash data alone, it shows that there was over 33k car crashes. Compared to that of incidents by the airline industry which is a little over 600 from 1985 to 2014. In these over 33k car crashes that have occurred around The United States of America, there were over 74k individuals who were directly impacted from the car crash, meaning death, injury, or auto damage. Compared to the flights that took place from 1985 to 2014 where we only saw a small number of deaths which was a little over 9k in almost 30 years.

Another interesting data point to look at provided by these graphs is the fact that the risk of an incident or accident occurring is much smaller compared to a car accident. However, please note that an incident or accident from a plane for obvious reasons will cause a larger impact on number of people. Thus, why you see a larger number of fatalities compared to accidents/incidents. This is because where a car may hold one to five people a plane may on any given day have over 100 people on the flight. Thus, would create a larger chance for a higher number of individuals to be impacted compared to that of a car accident. As you can see in this direct comparison that in fact air travel is the much safer option of the two.

We utilized bar graphs to easily visualize this data and make it simple to read and understand. This is because it provided the best clean look for the data we are presenting. A tree map was also used to show the comparison of deaths between the given period of times for airlines. This is created because it gave a clean easy look at the comparison.

References:

fivethirtyeight/data. (n.d.). GitHub.

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

NHTSA. (n.d.). NHTSA. <https://one.nhtsa.gov/Data>