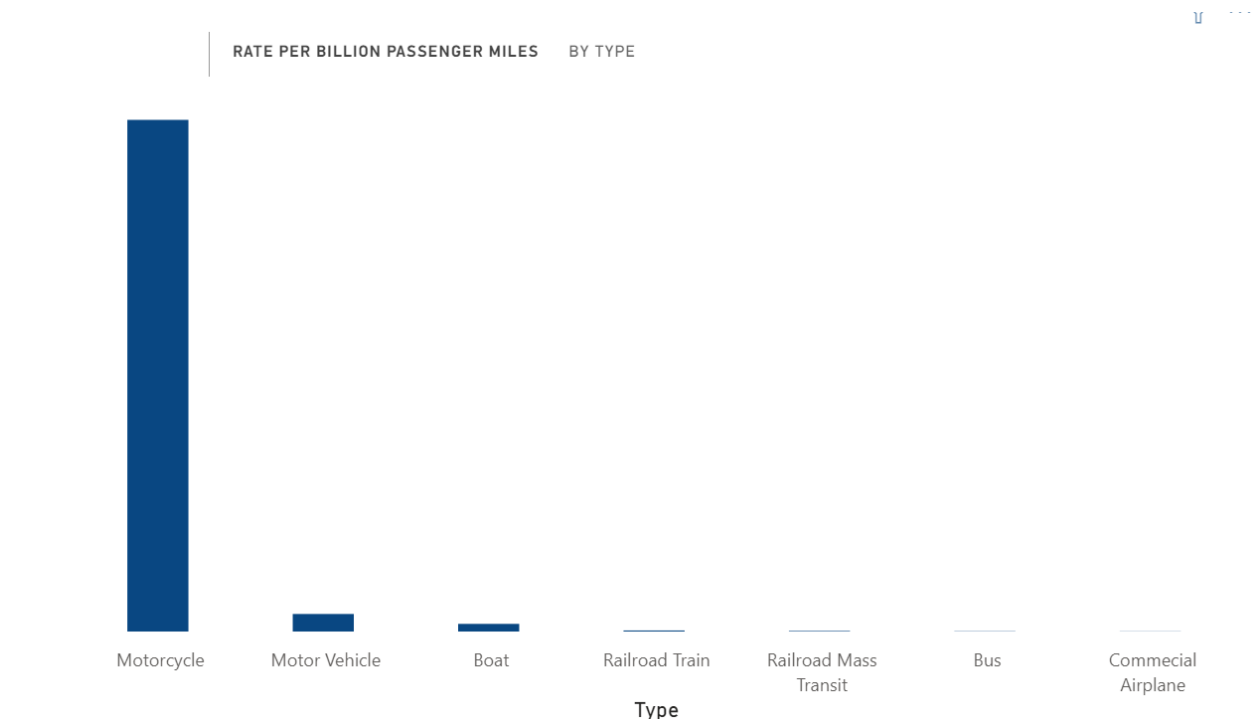


## Meiners 4.3 Project Task 3: Blog Post

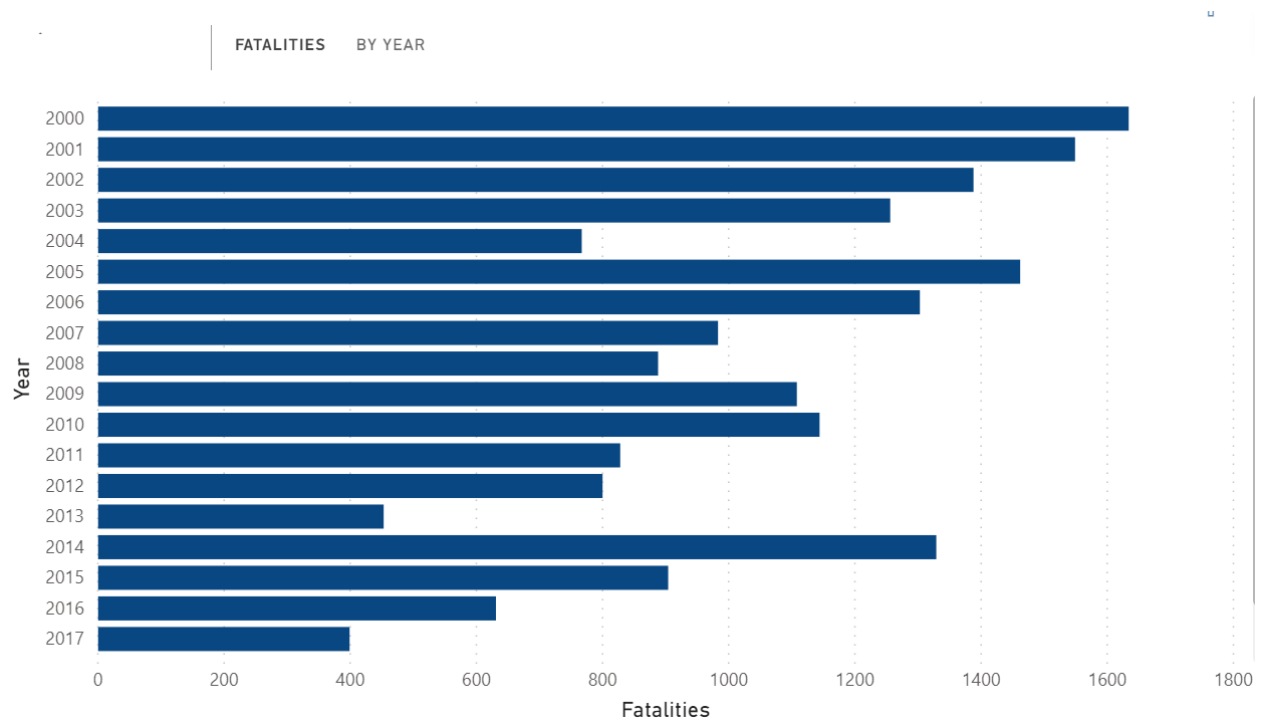
### Is airline travel the most dangerous way to travel?

There is a sentiment that airline travel has become the most dangerous way to travel over the last few years. The data does not reflect this and indicates that airline travel is the safest way to travel when controlling for the distance travelled for each passenger vehicle type. Motorcycles are by far the most dangerous way to travel with motor vehicles coming in a distant second in terms of fatality rate. Airline travel barely makes it onto the chart as it has very low rate of fatalities with bus travel being the second safest way to travel.



### Are Airline Fatalities per Year Increasing on a Global Scale?

As can be observed in the chart below, the number of fatalities related to air travel has actually been decreasing over the last 20 years. It's important to note that each year can be volatile depending on if a major incident occurs that results in a large loss of life. Overall, the trend is pointing to an overall decrease and is a positive sign that airline travel is becoming safer globally.



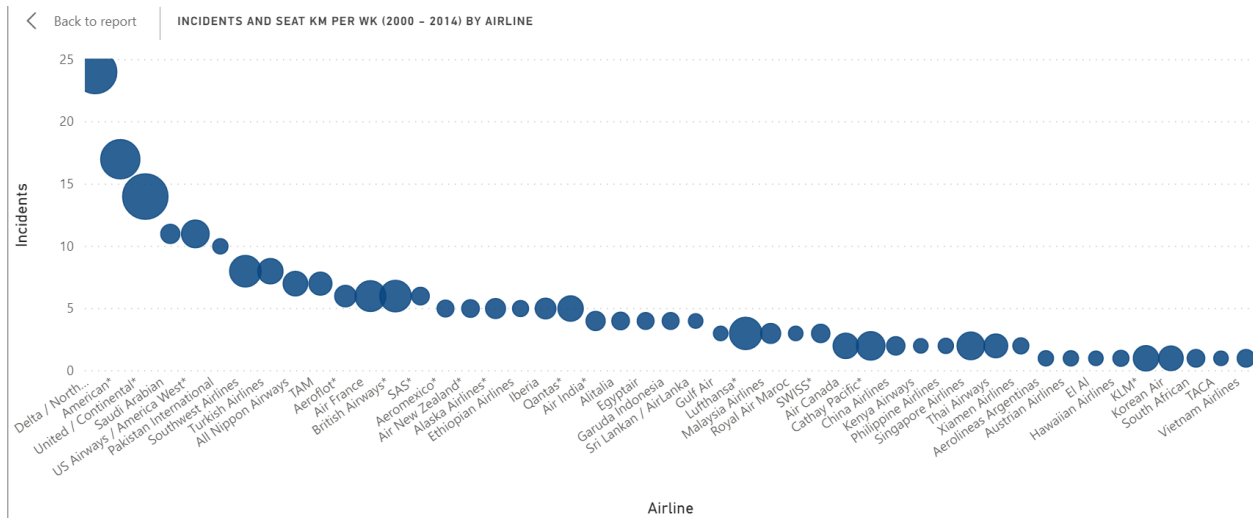
## Are Airline Crashes per Year Increasing on a Global Scale?

As was observed in the previous visualization, the number of crashes which occur is indeed decreasing when observing crash statistics for global airline travel. The number of crashes which occur each year has almost been cut in half on average over the last 20 years.



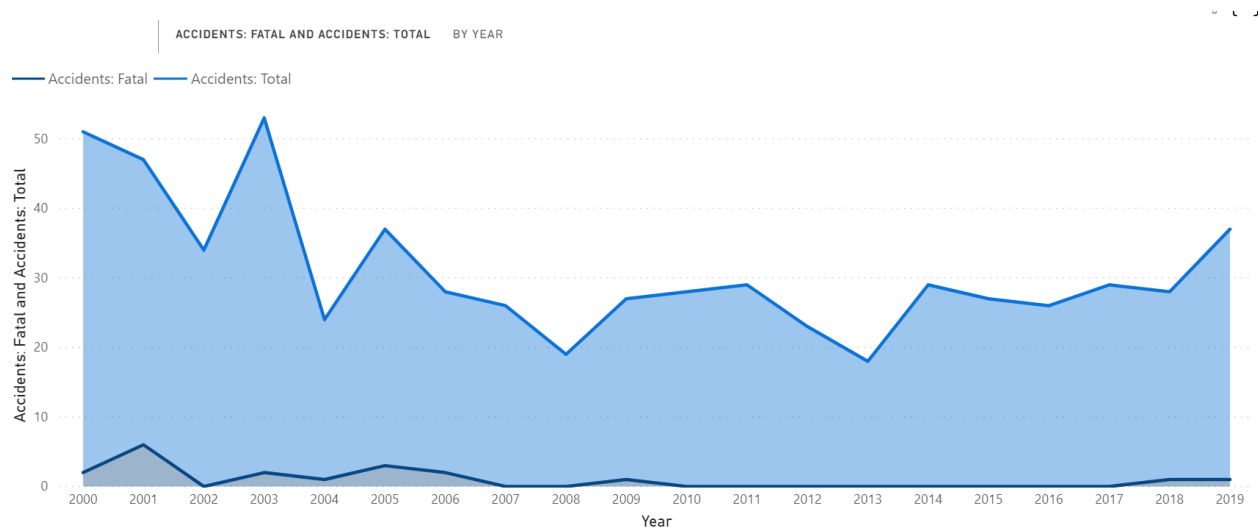
## Are Certain Airlines Safer than Others?

The number of airline incidents which are reported each year can vary depending on how many miles each airline travels. The bubble chart below indicates that airlines with the most incidents tend to have travelled the most distance. Airlines that have a smaller bubble, but higher incidents tend to be less safe as the number of incidents is much higher compared to how many miles they have travelled. The airlines with this condition should be avoided if safety is a concern but overall, they are still relatively very safe when compared to other transportation methods.

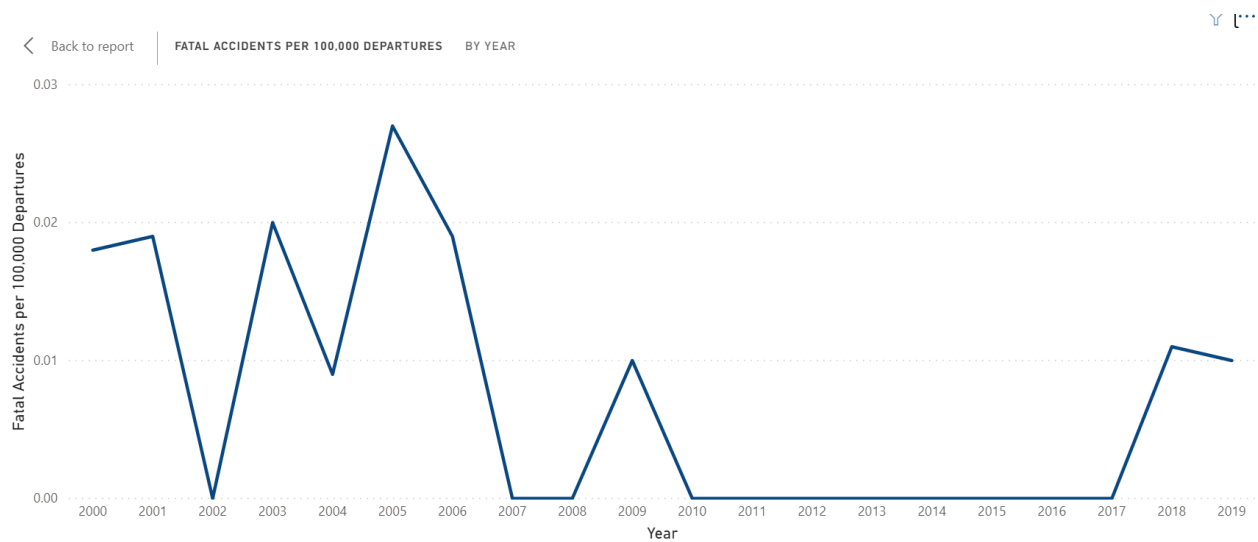


## Is Air Travel in the US More Dangerous?

In the United States the number of accidents which occur is on par with the trend which is observed for the world. The accidents which result in fatalities is much lower in the US however as the number of accidents which result in fatalities is very rare. This has also been decreasing over the last twenty years with total number of fatalities in the US being less than 2 over the last ten years.



When controlling for the number of fatal accidents which occur per 100,000 departures in the US, it becomes very clear that the probabilities of a fatal accident occurring is very low and of fatal accidents which occur the number of fatalities is also low.



## References

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<http://www.baaa-acro.com/statistic>

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