

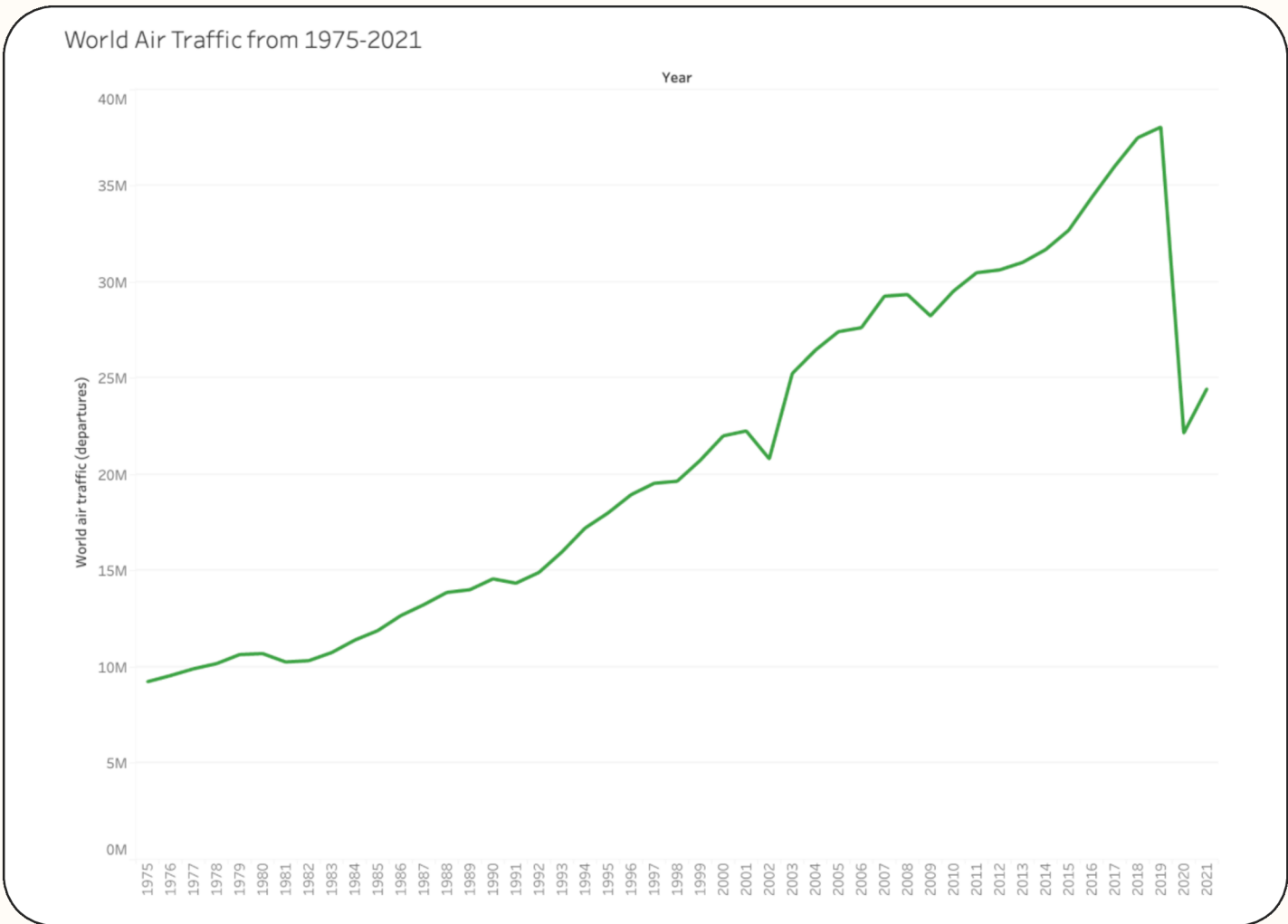


# Air Travel Safety



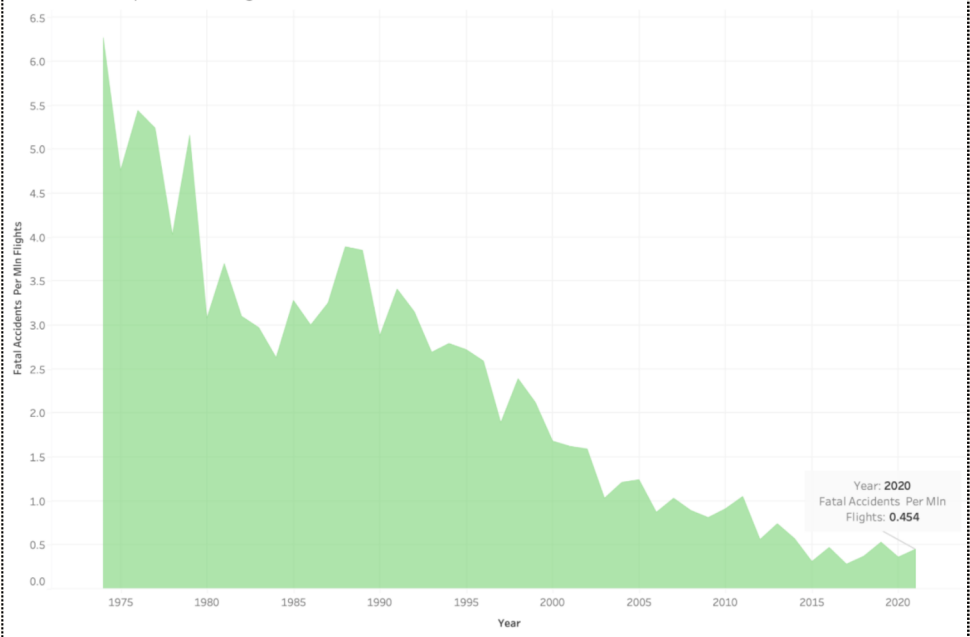
You may have noticed an increase in news reports about airline accidents recently. These reports can understandably generate some skepticism when choosing whether to fly or drive for your next trip. We’re here to present the facts to help you make the best travel decision for you.

## Air Travel Remains the Popular Choice



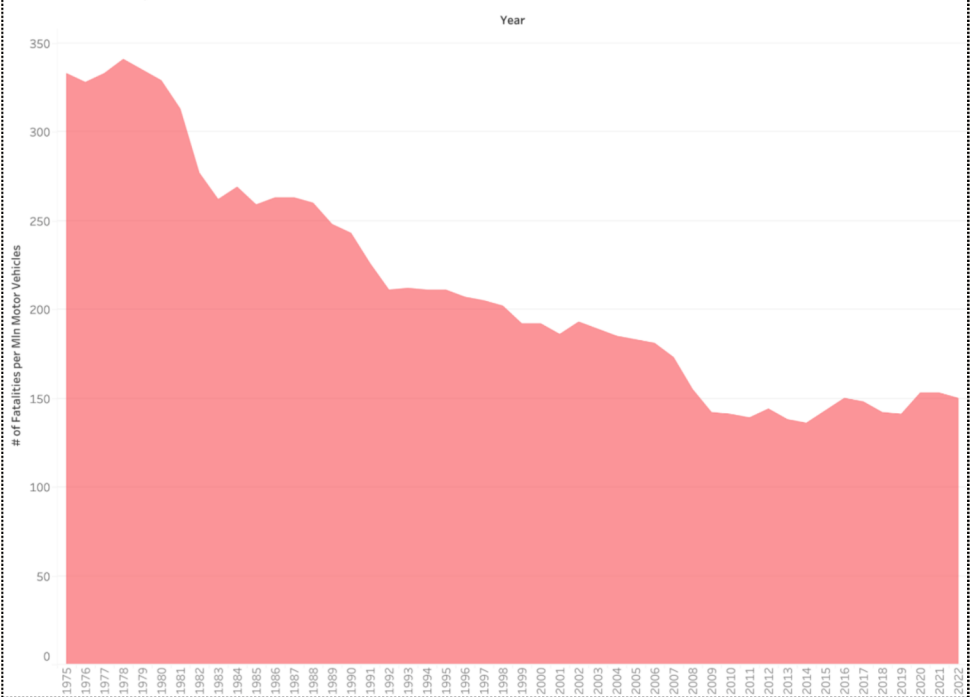
Even in spite of these stories, the world population was traveling by air more than ever pre-COVID-19 pandemic. The most likely reason for the dip may be because of the various travel restrictions at the time. The rate at which the population is choosing air travel shows no sign of slowing down any time soon.

Fatal Accidents per Million Flights from 1975-2021



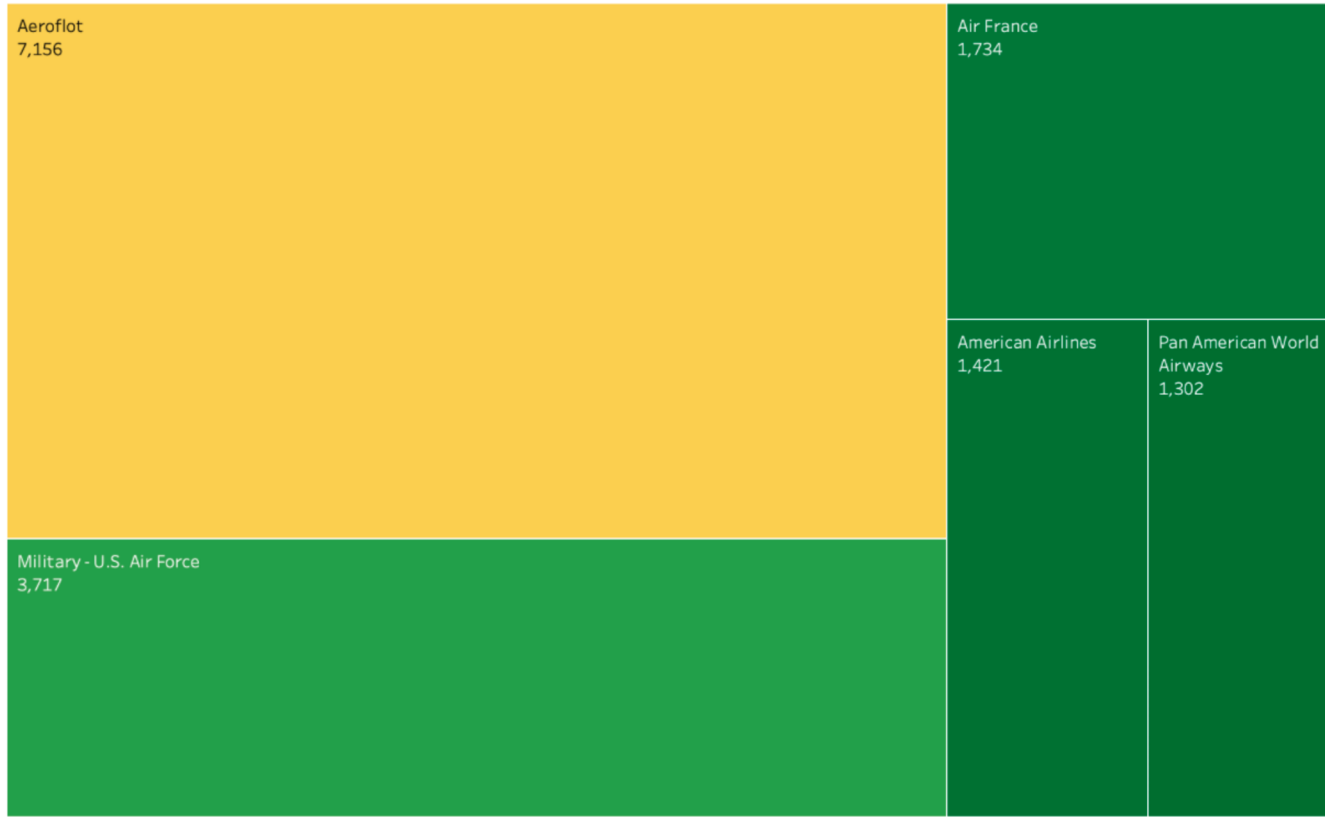
The proportion of fatal accidents involving air travel have steadily decreased over the past 50 years, with the most recent number being **only 0.454 fatal accidents for every million flights** in 2020.

Fatal Accidents per Million Motor Vehicles from 1975-2022

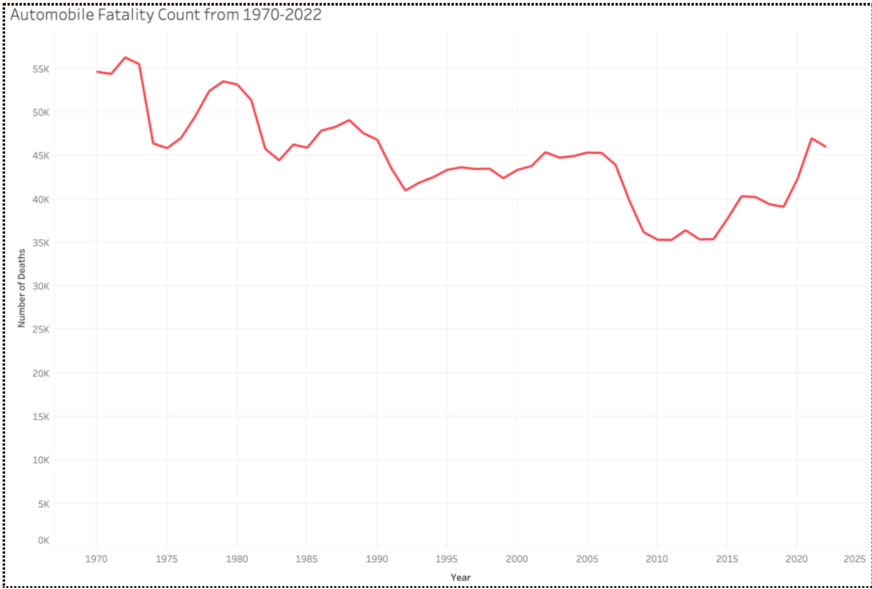


Fatal accidents involving a motor vehicle show a vaguely similar pattern, but have a **much higher number of fatalities (150 fatalities for every million cars** in 2022).

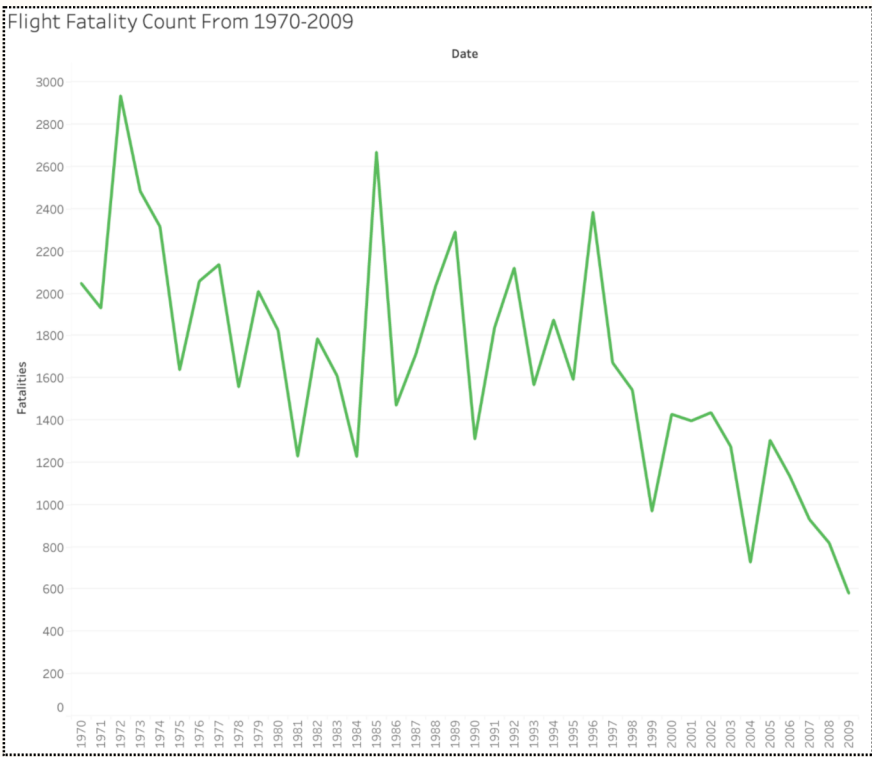
Top 5 Operators with Highest Fatality Counts



The three operators with the highest fatality counts are either non-U.S. operators or military. Even when we see U.S. based American Airlines at spot #4, they have **less than 20%** of the amount of fatalities that the #1 Aeroflot has.



Automobile fatality counts have remained at relatively the same numbers over the past fifty years. There has been some movement, but not as significant of a decrease as seen in air travel counts.



On the other hand, flight fatality counts have had a relatively strong downward trend over the last 50 years - **airline travel has never been safer than it is today.**

There are far less fatal accidents involving air travel rather than automobiles, especially for domestic U.S. passenger flights. Planes are at the safest they’ve ever been, and this is evident in the steady decrease in fatalities over the past 50 years.

Safe Travels!



## Sources

The three datasets that I used were:

1. Accidents and Fatalities Per Year (Blackboard, initial)

a. [https://docs.google.com/spreadsheets/d/1SDp7ply6m7N5xD5\\_fpOkYOrJvd68V7iy6etXy2cetb8/edit?gid=1448957446#gid=1448957446](https://docs.google.com/spreadsheets/d/1SDp7ply6m7N5xD5_fpOkYOrJvd68V7iy6etXy2cetb8/edit?gid=1448957446#gid=1448957446)

2. Airplane Crashes Since 1908 (Kaggle, supplemental)

a. <https://www.kaggle.com/datasets/saurograndi/airplane-crashes-since-1908>

3. Car Crash Deaths and Rates (National Safety Council, supplemental)

a. <https://injuryfacts.nsc.org/motor-vehicle/historical-fatality-trends/deaths-and-rates/>