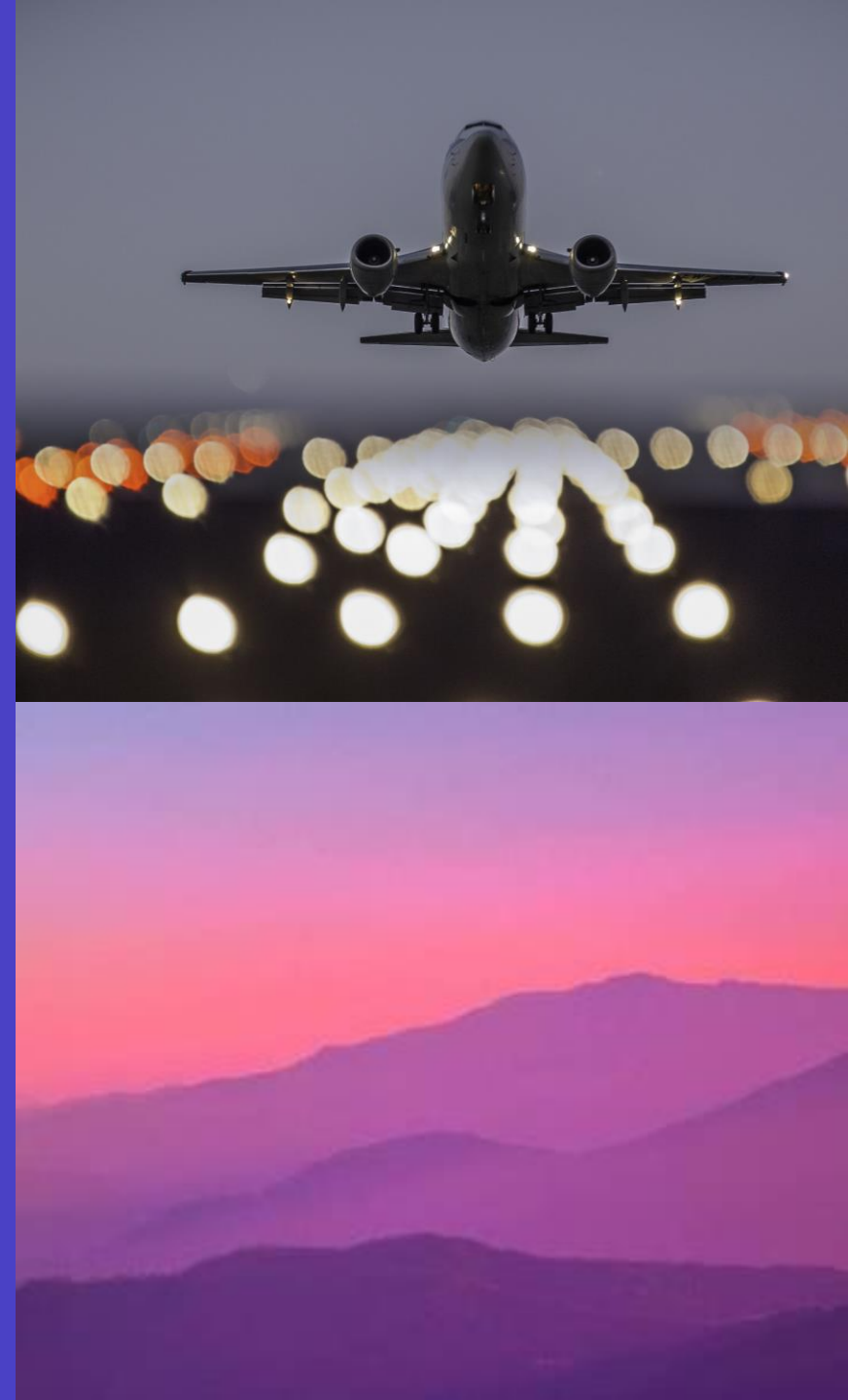


# Airplane Safety: The Facts

**Moshe Burnstein**

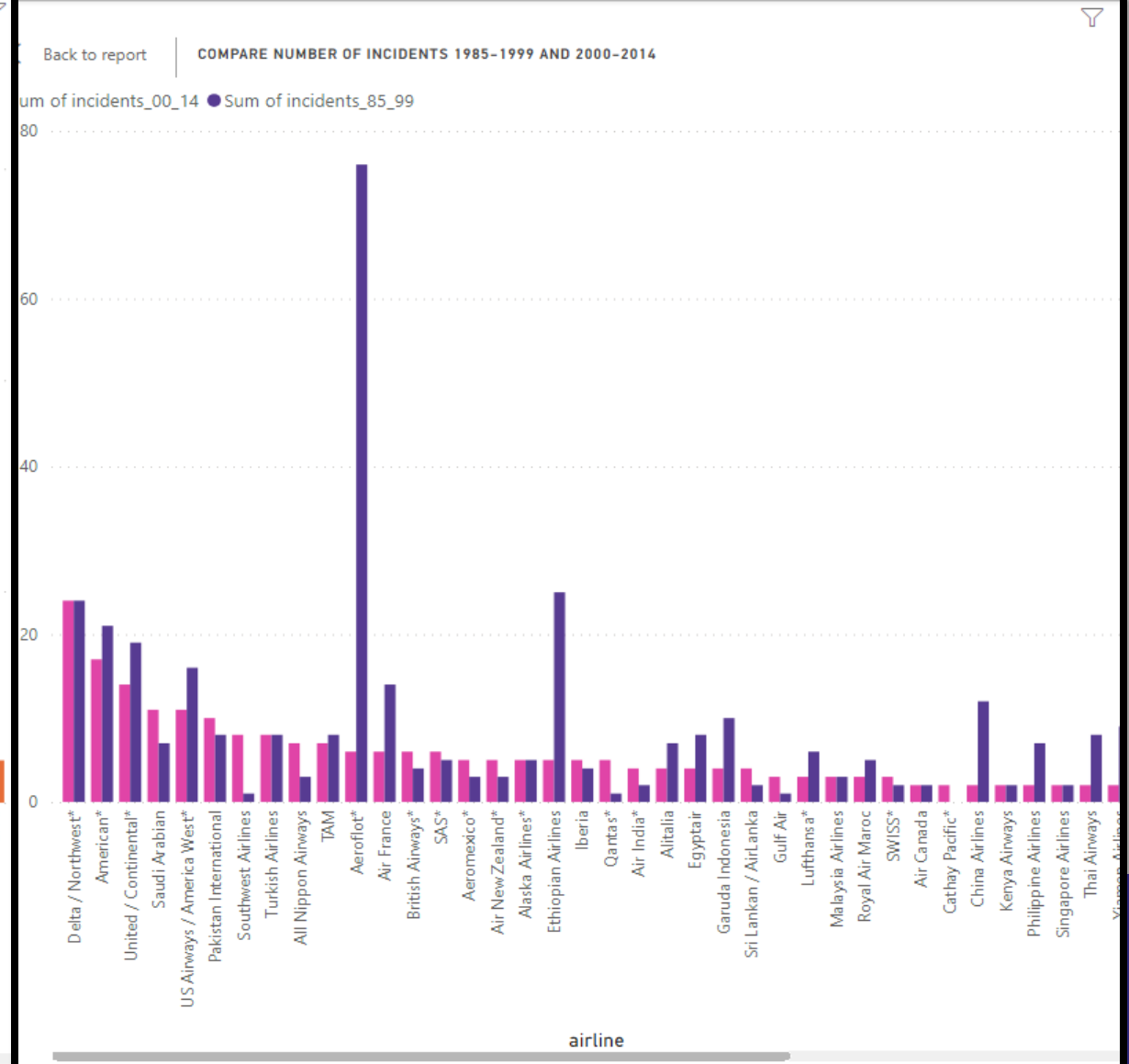
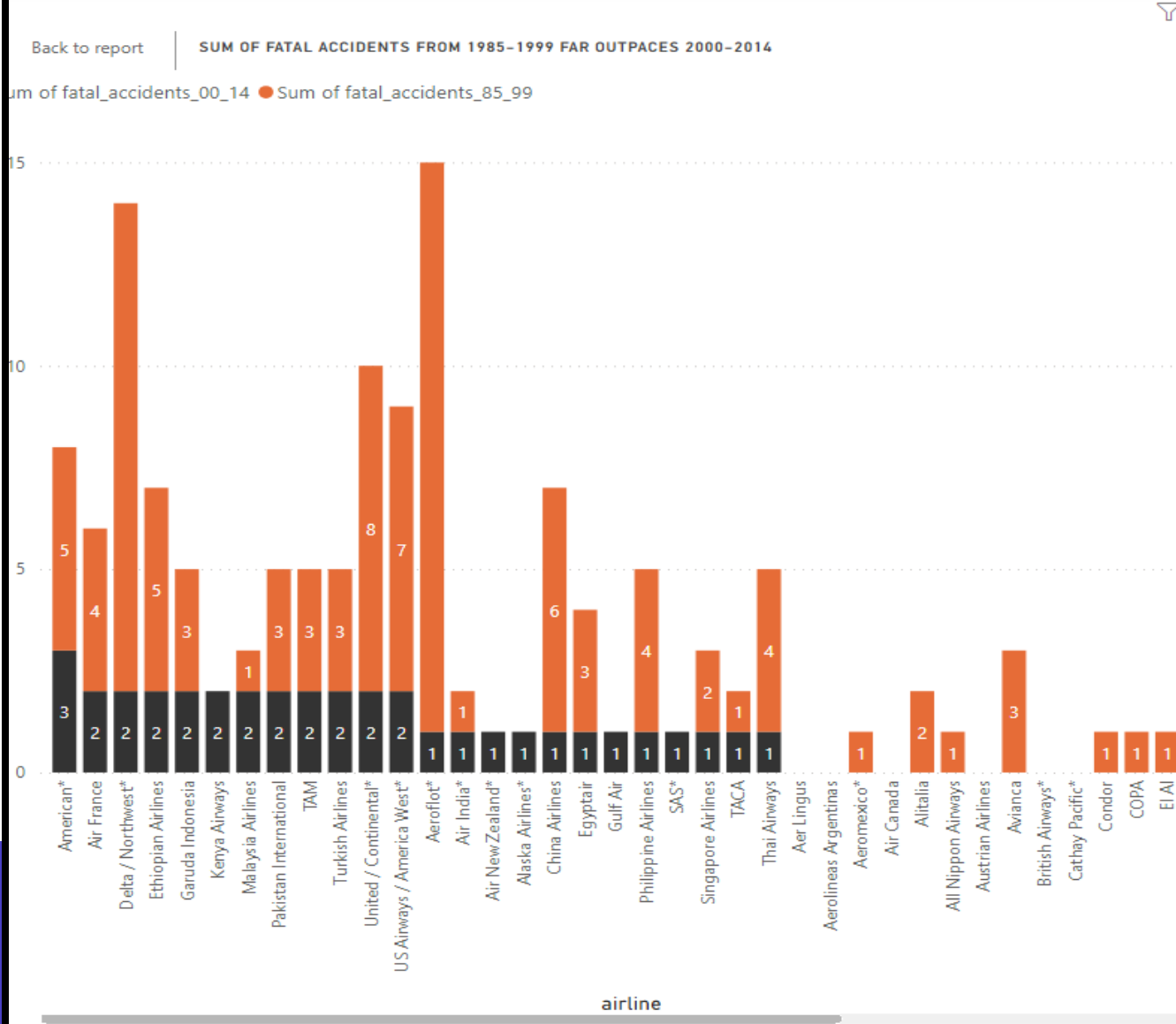


# Introduction: It is Safe to Fly



## ➤ **Death by: Your Odds**

- **Cardiovascular disease: 1 in 2**
- **Smoking (by/before age 35): 1 in 600**
- **Car trip, coast-to-coast: 1 in 14,000**
- **Bicycle accident: 1 in 88,000**
- **Tornado: 1 in 450,000**
- **Train, coast-to-coast: 1 in 1,000,000**
- **Lightning: 1 in 1.9 million**
- **Bee sting: 1 in 5.5 million**
- **U.S. commercial jet airline: 1 in 7 million**

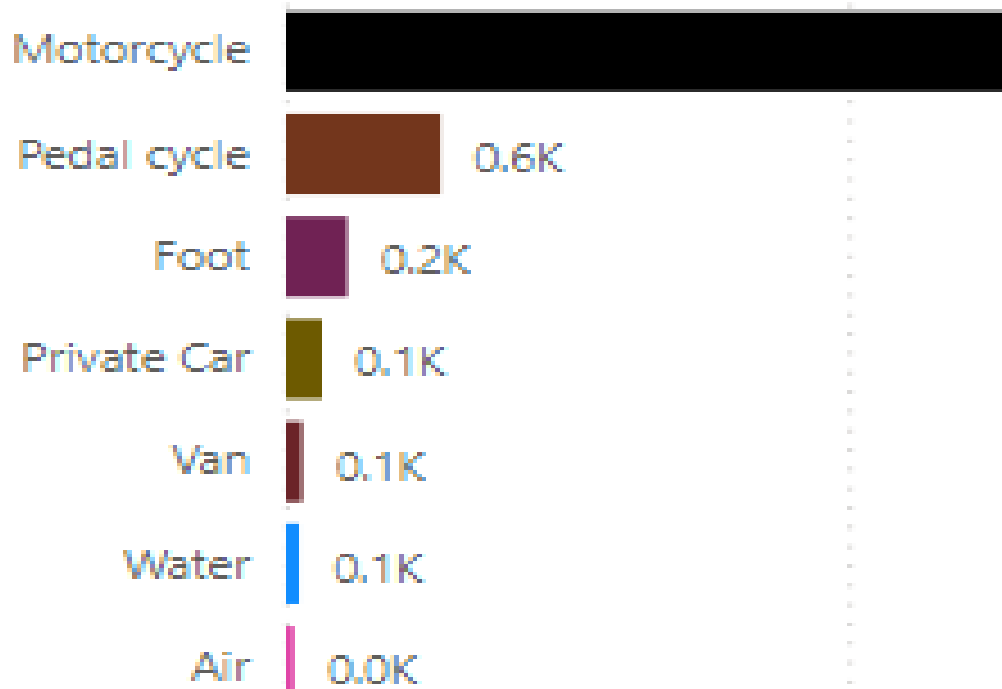


Safer Over Time

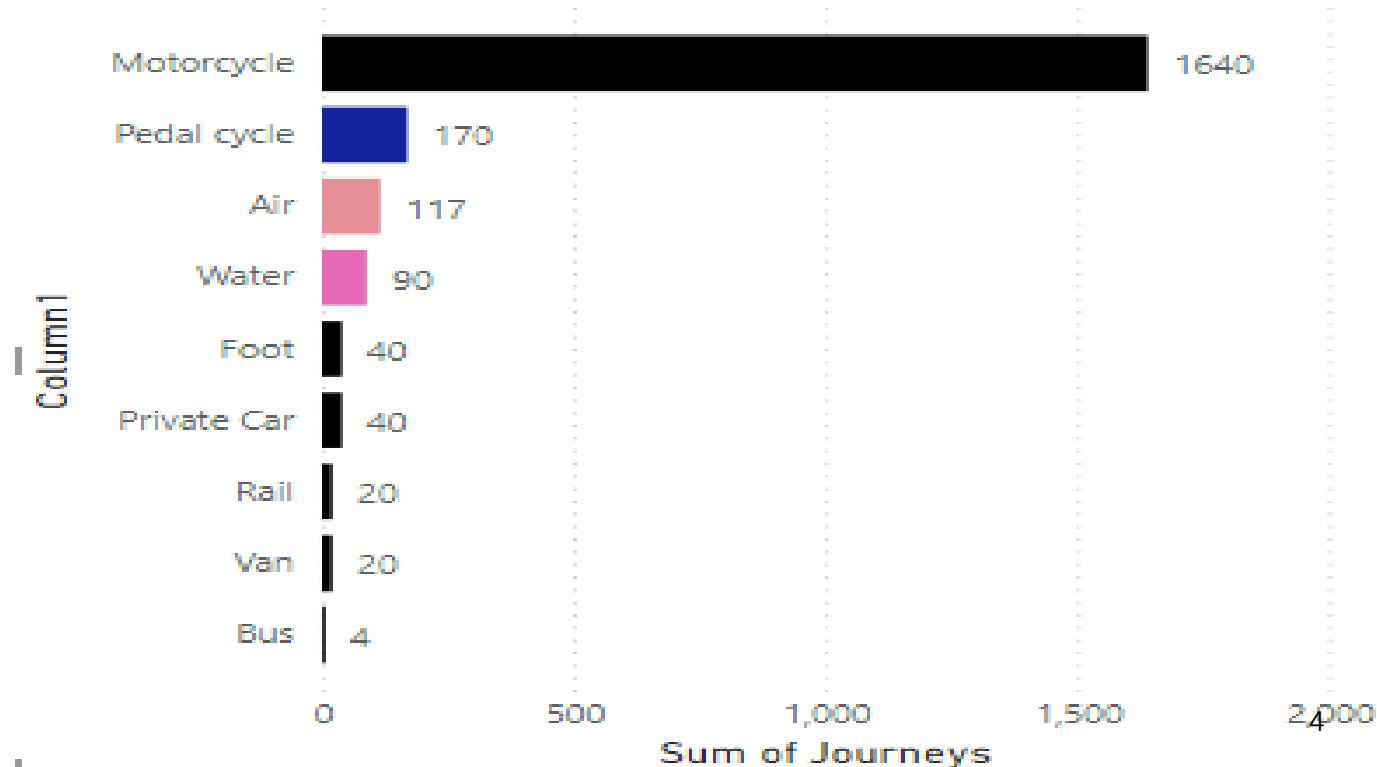
# No Safer Way to Travel

- Whether by Calculating Based on Deaths per Billion Hours Flying or by Deaths per Billion Journeys, Air Travel Falls Far Short of Motorcycle or Pedal Cycle in Mortality
- A Person Need Not Fret Air Travel

Deaths per Billion Hours



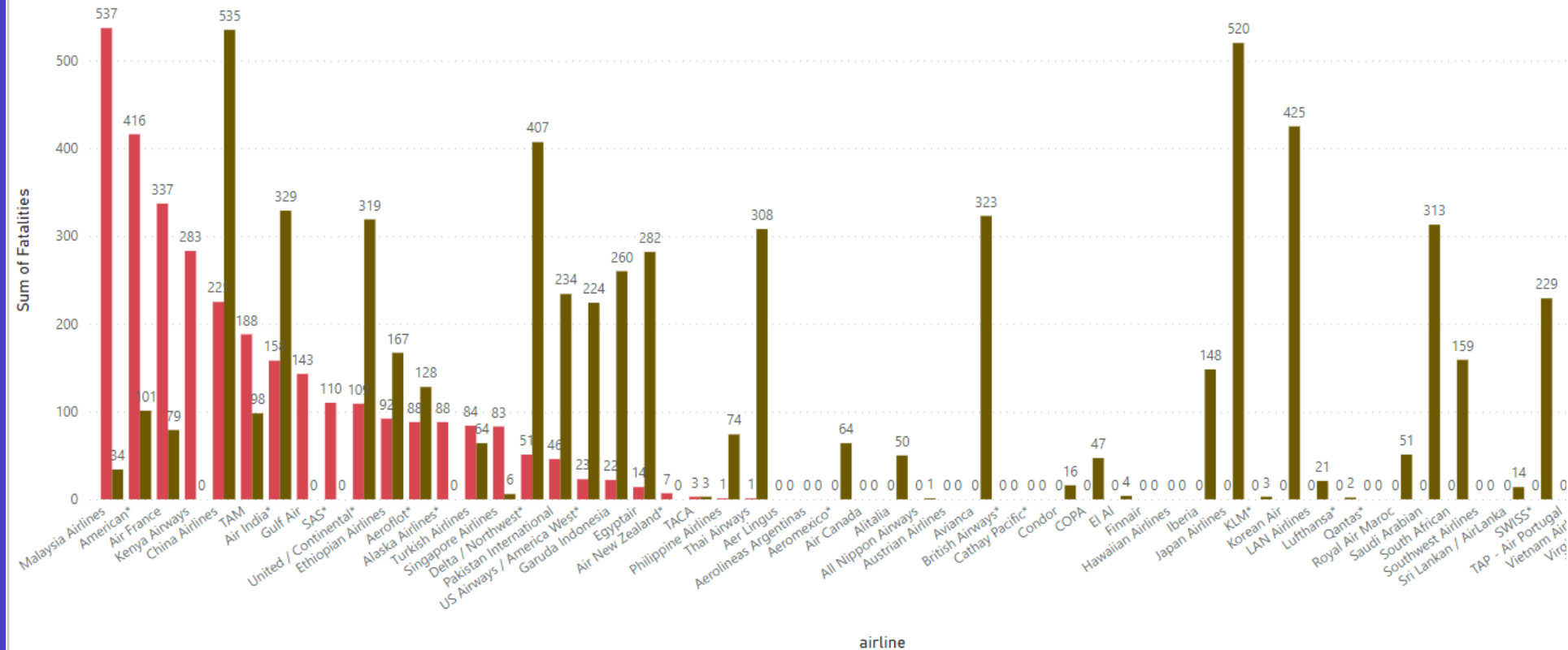
Deaths per Billion Journeys



Malaysia Airlines accounted for 17.27% of Sum of fatalities\_00\_14. Sum of fatalities\_85\_99 and Sum of fatalities\_00\_14 diverged the most when the airline was Japan Airlines, when Sum of fatalities\_85\_99 were 520 higher than Sum of fatalities\_00\_14.

< Back to report COMPARE FATALITY SUMS 1985-1999 AND 2000-2014

● Sum of fatalities\_00\_14 ● Sum of fatalities\_85\_99



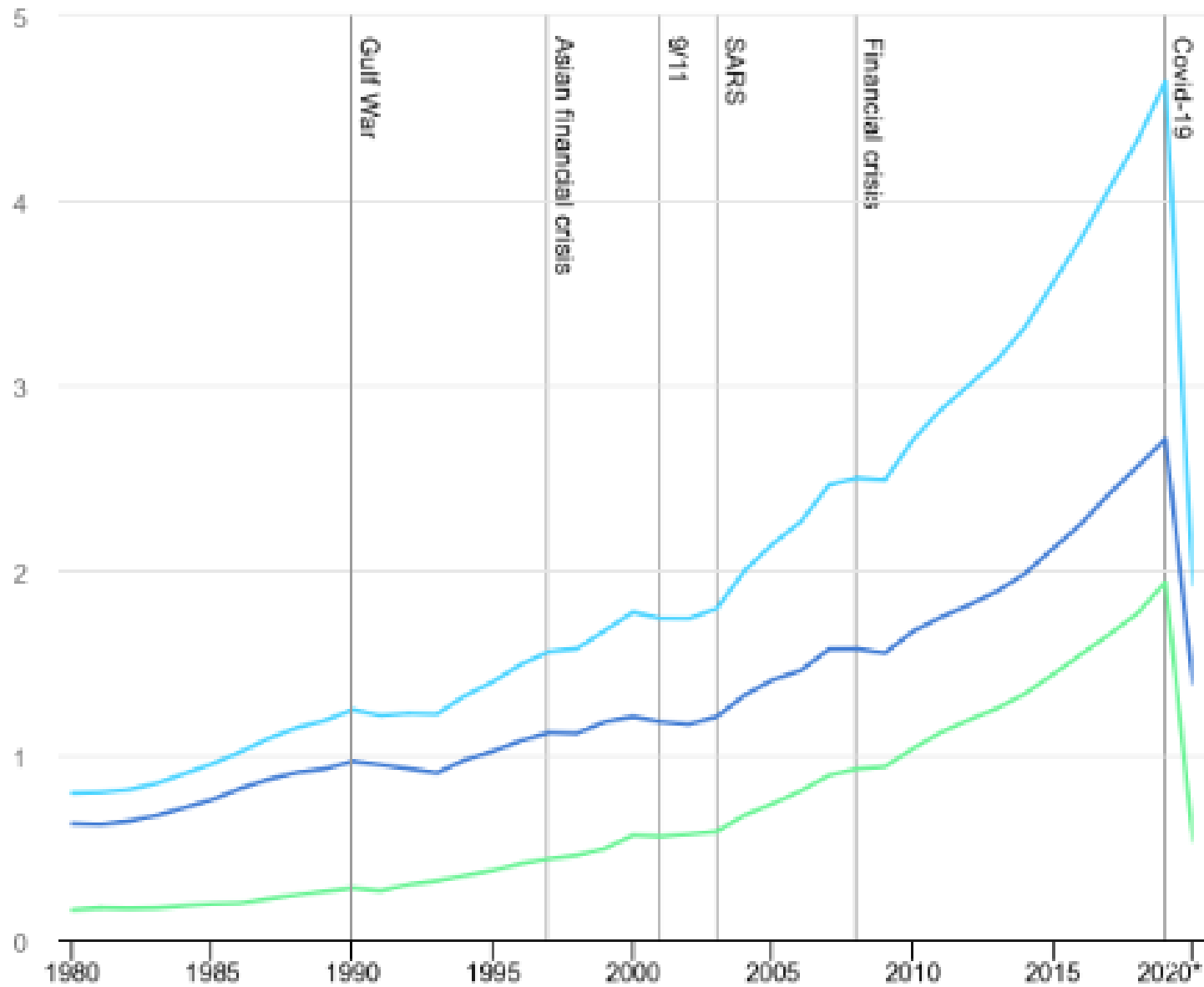
- The rare catastrophic event between 2000 and 2014 caused singular airlines to eclipse casualty numbers from 1985 to 1999 numbers because of their increased passenger capacity.

# Air Travel Growth has only been Stymied by Catastrophes:

- War
- Pandemic
- Economic Crisis

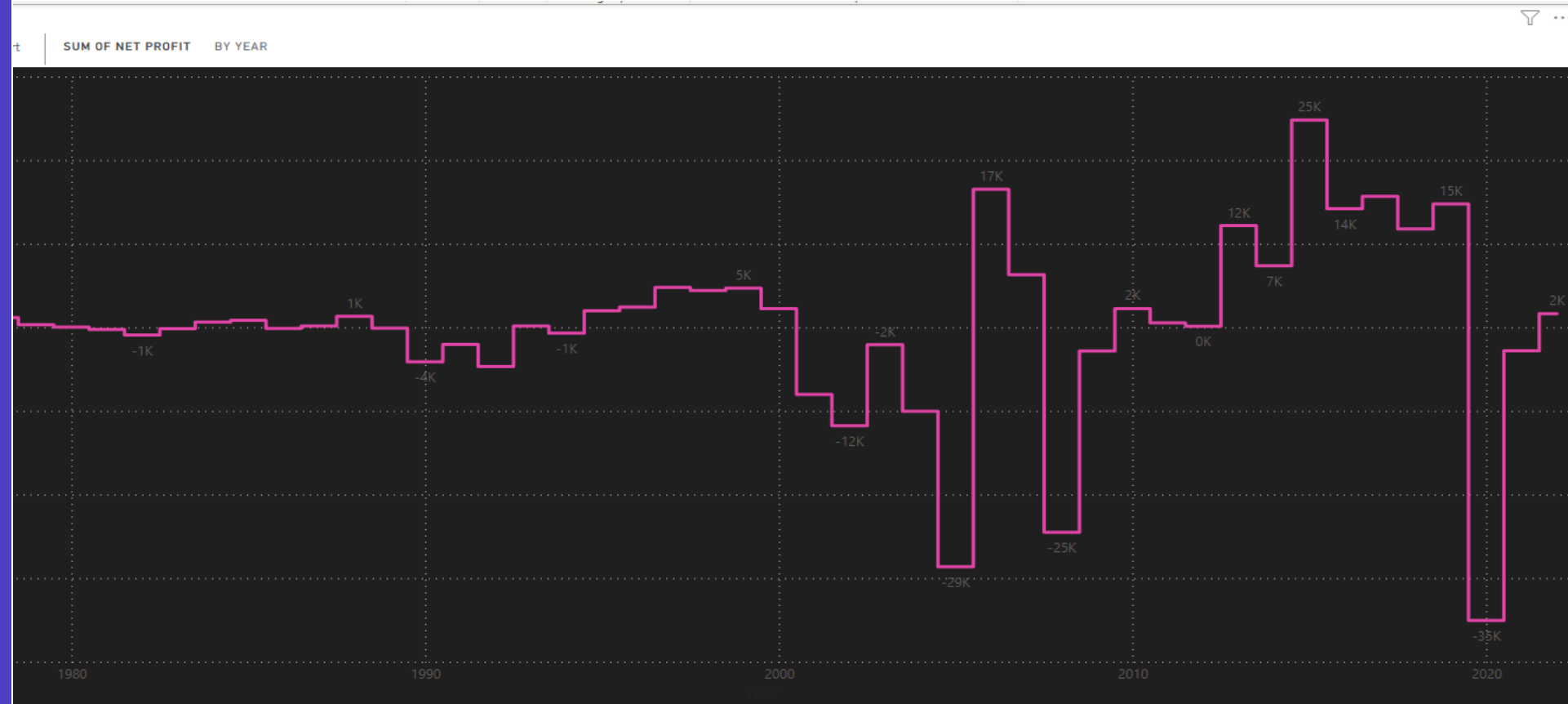
## Airline Passengers 1980-2020 in Billions

Total, Domestic, International

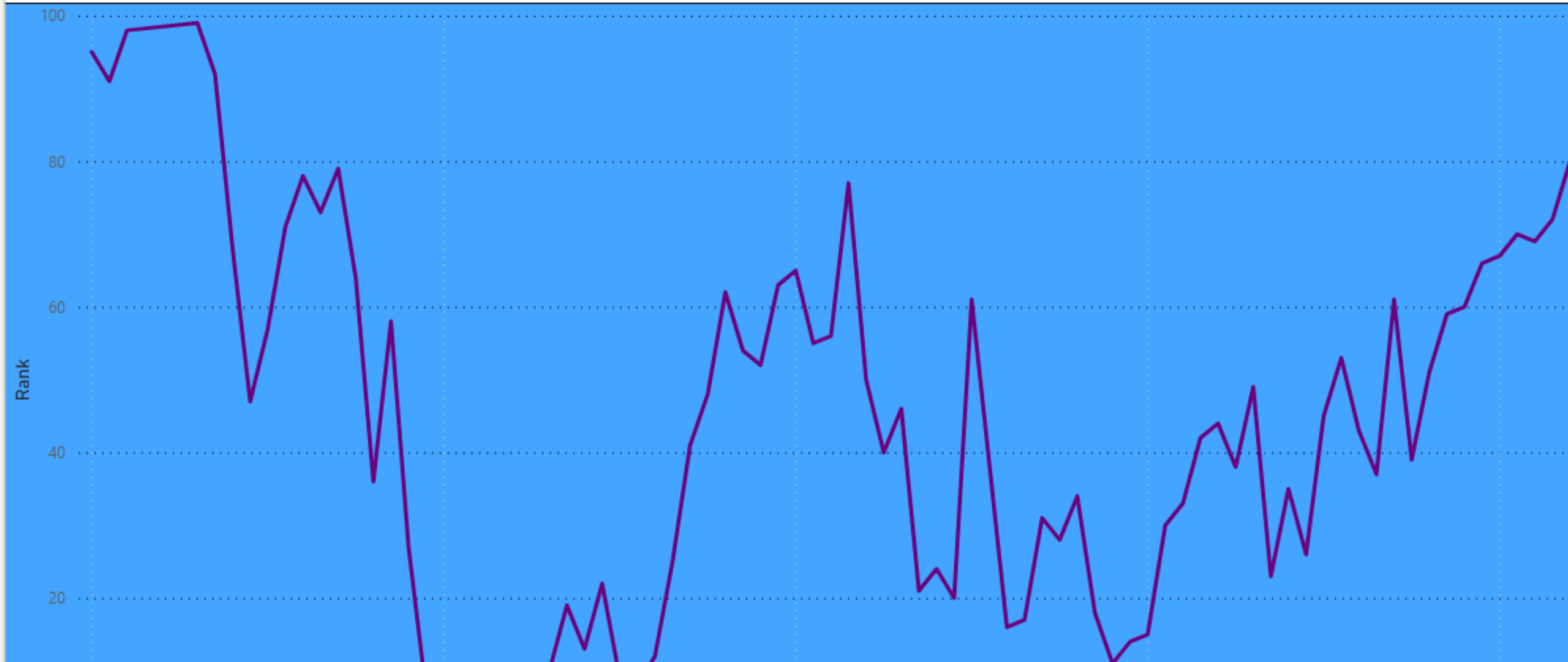


# Step Chart of Profits

**Must  
Emphasize  
Poor Profit  
Margins**



- Squeeze Profits from all Potential Sources
- Increase Plane Ridership
- Market, Market, Market
- Even as Ridership Grows Steadily, We Must Look for any Profit opportunities... a few more Travelers



## Keep up the Good Work

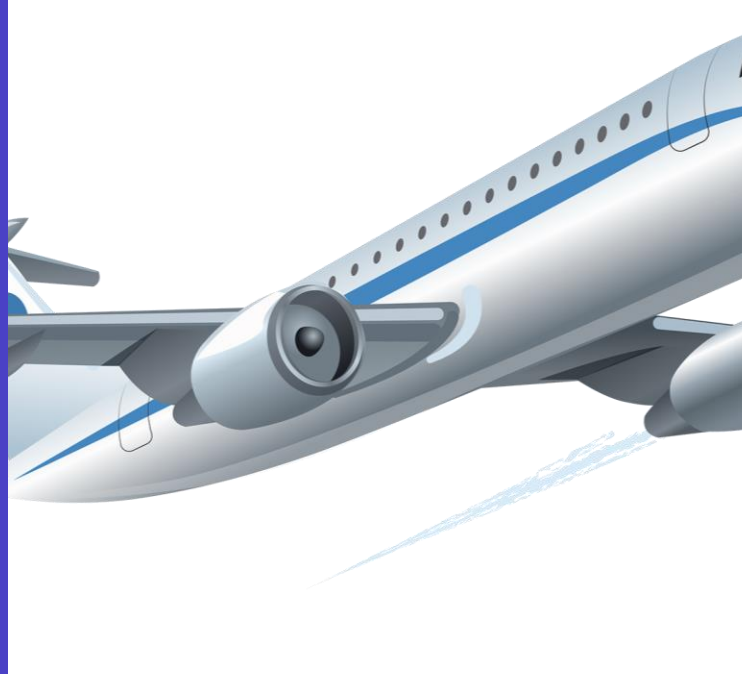
Over the past decade, the airline industry has been safer than ever. Need no new safety initiatives.



**A sold-out 727 jet  
would have to  
crash every day of  
the week, with no  
survivors, to equal  
the highway  
deaths per year in  
this country.**



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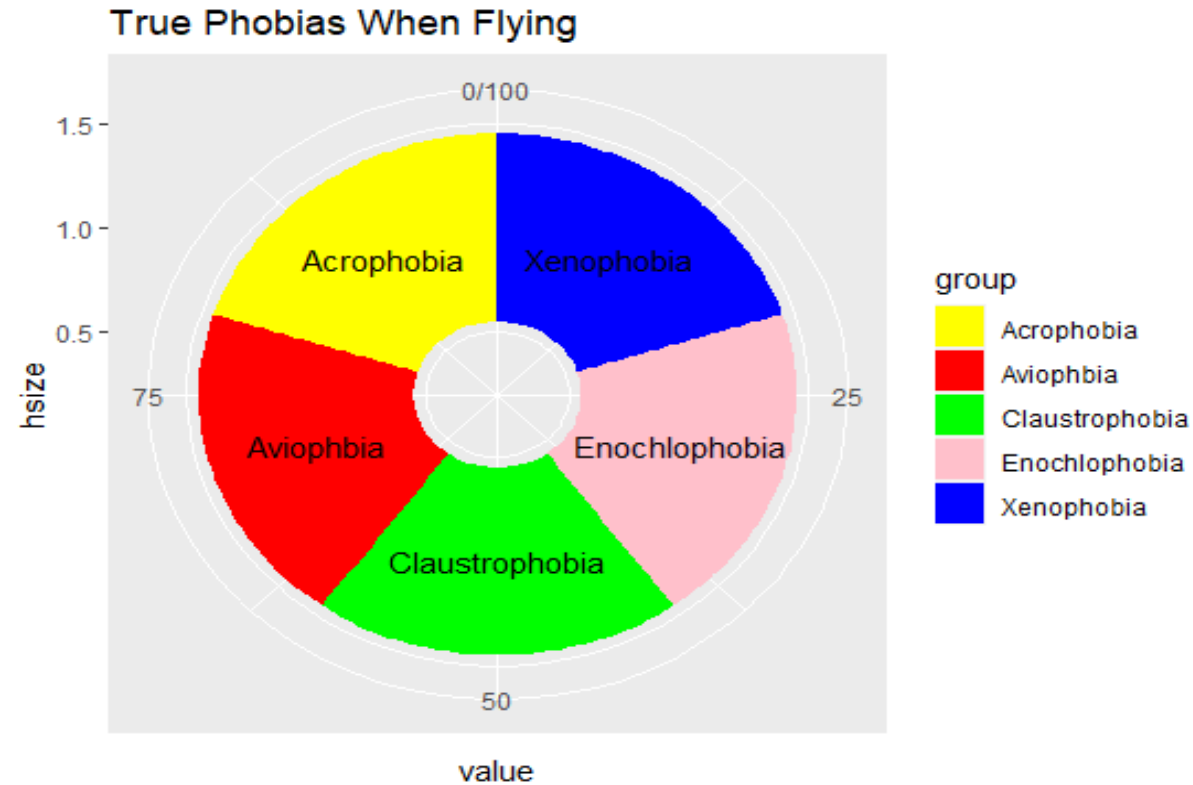


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# Most People Do Not Actually Fear Flying



- Acrophobia (fear of heights)
- Claustrophobia (fear of closed-in spaces)
- Enochlophobia (fear of crowds)
- Xenophobia (fear of strangers)
- Aviophobia (fear of flying)



# The Media Craves Violence

- In a study of 996 TV hours, the
- researchers found a total of
- 14,821 acts of violence, averaging
- around 15 acts of violence per hour.





# Climate Activism

Although no link has been proven between climate activism and the media-portrayed danger of flying, one must be wary of these activists. They create bad publicity in their own right. We don't have much to combat the climate issue



# Conclusions and Recommendations

- **Flying is safe- we must message this to the media**
- **Flying was safe- it is even safer now**
- **Other methods of travel are not safer than flying**
- **Mitigate the sensationalism of the rare air catastrophe with mass casualties**
- **Make coming to the airport a pleasant experience**
- **Combat the bad press of violence associated with flying**
- **Form a strategy to deal with climate activists**

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