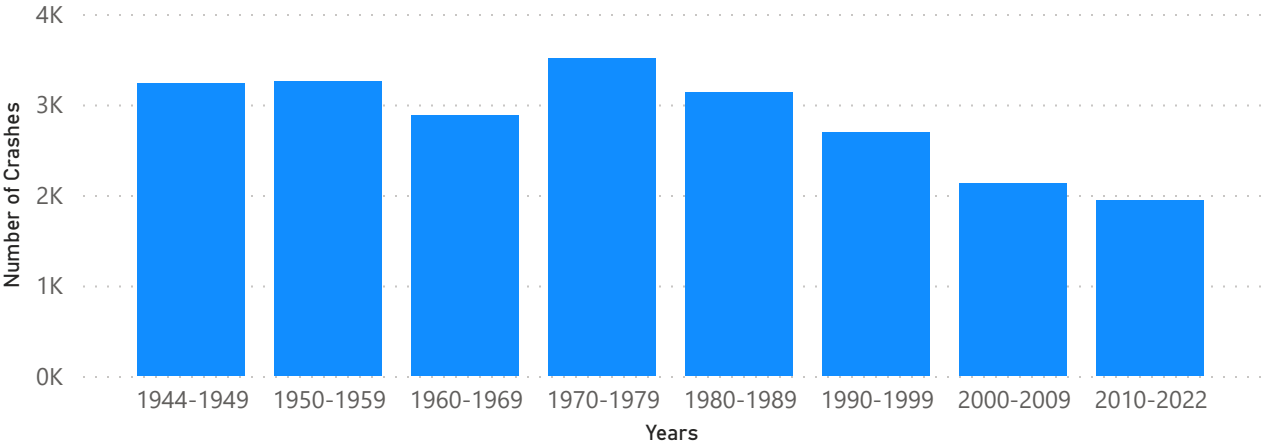# Passenger Airline Safety

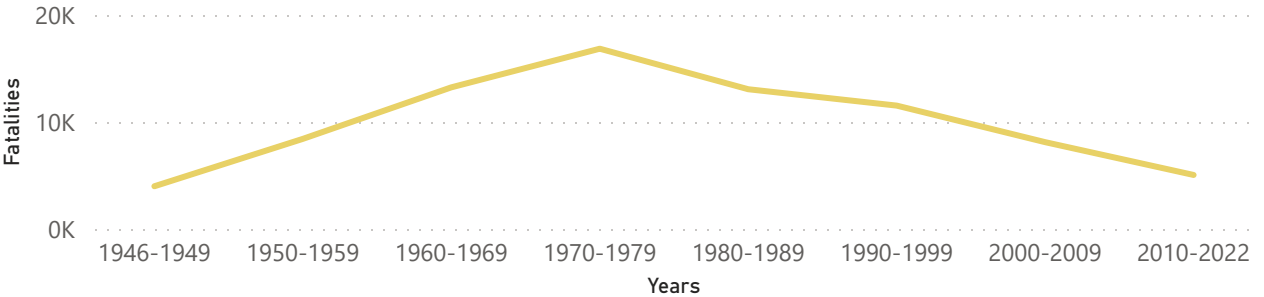**80K** Passenger Airline Fatalities 1946-2022

950K Motor Vehicle Fatalities 1990-2020

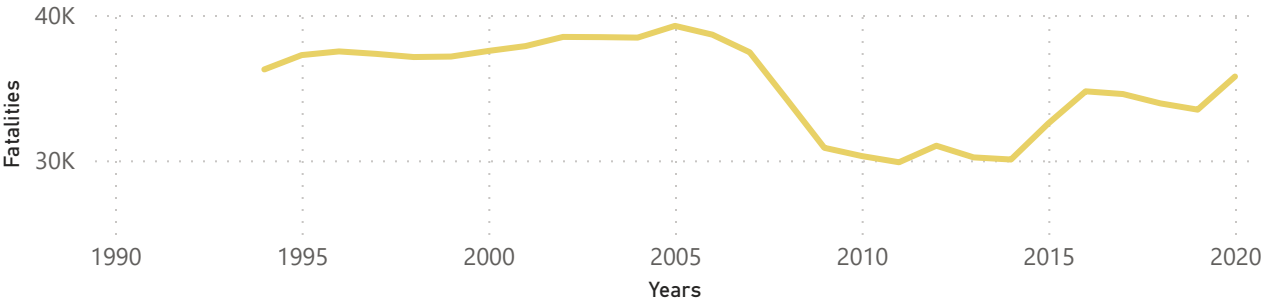## Passenger Airline Crashes

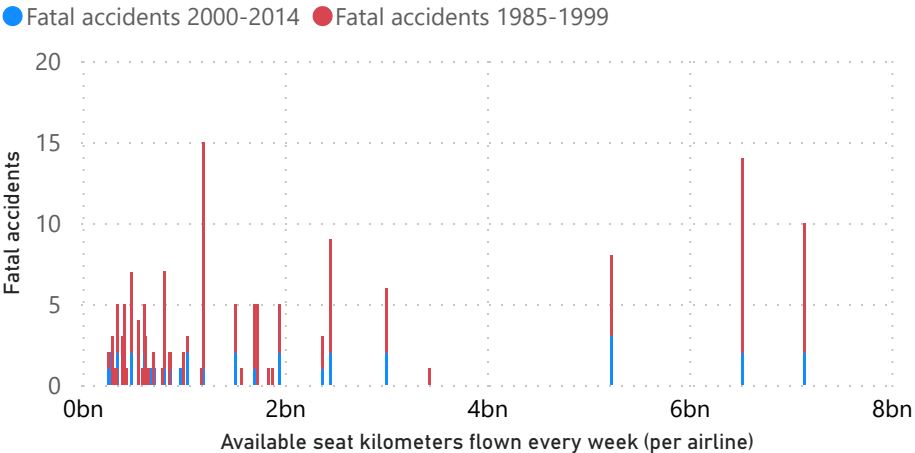

Passenger Airline Fatalities

Motor Vehicle Fatalities

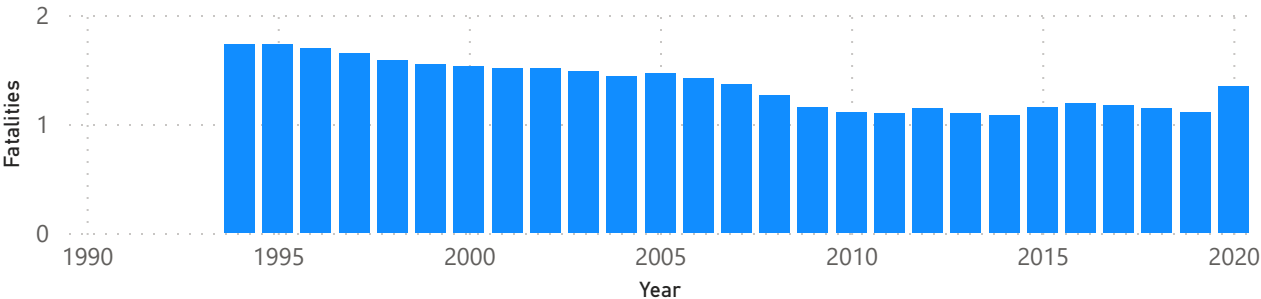## Passenger Airline Fatal Accidents

● Fatal accidents 2000-2014 ● Fatal accidents 1985-1999

Overall Passenger Airline Incidents

● Overall incidents 2000-2014 ● Overall incidents 1985-1999
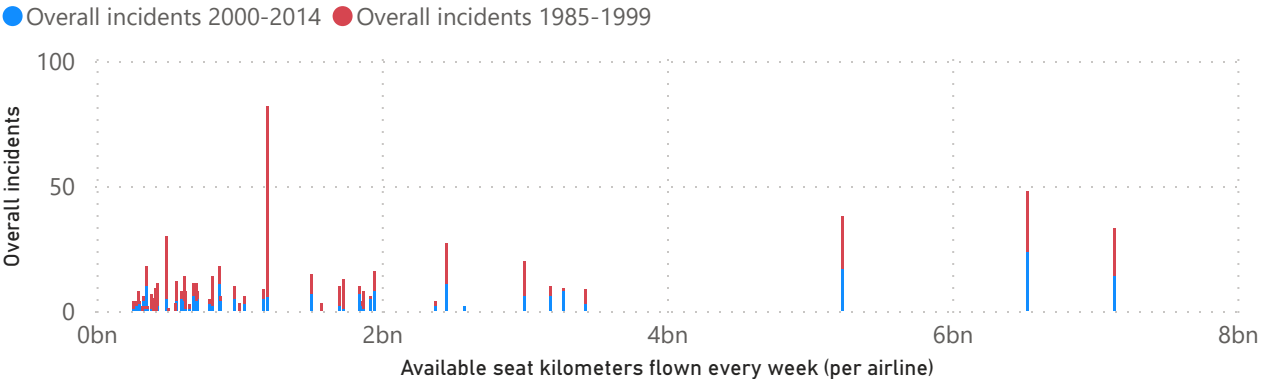
Fatalities per 100 Million Motor Vehicle Miles Traveled

Brandon Mather

DSC640-T301 Data Presentation & Visualizations

The goal with my dashboard was to highlight the fatalities between passenger airlines and motor vehicles to show why flying is still a safe option. The visualizations I chose were bar charts, stacked bar charts, line graphs, and then 2 single number cards.

The single number cards were used to emphasize how many more fatalities there are with motor vehicles. I also added the dates in them to make it more dramatic. I made them yellow since they directly relate to my line graphs – which I also colored yellow to show that relation. The line graphs were used to show how passenger airline fatalities have been getting lower while motor vehicle fatalities have been rising. The regular bar graphs were used to show the number of crashes that airlines have been in – again lowering as time moves on, and to show how many fatalities there were on average for every 100 million miles for motor vehicles. That bar graph relates back to the two stacked bar graphs above which show how many fatal accidents and how many total incidents there were for passenger airlines per available seat kilometers traveled each week. I used red for the older timeframe to show how again these are lowering as time goes on compared to blue for the newer years.

I believe these showed that there are a lot less fatalities flying then there are motor vehicles. While fatalities aren't the only thing that drives safety, I believe that's what the main concern people would have. Ethically I tried to make sure dates were listed so nothing was misrepresented and wasn't purposefully modeled to make passenger airlines looks safer.