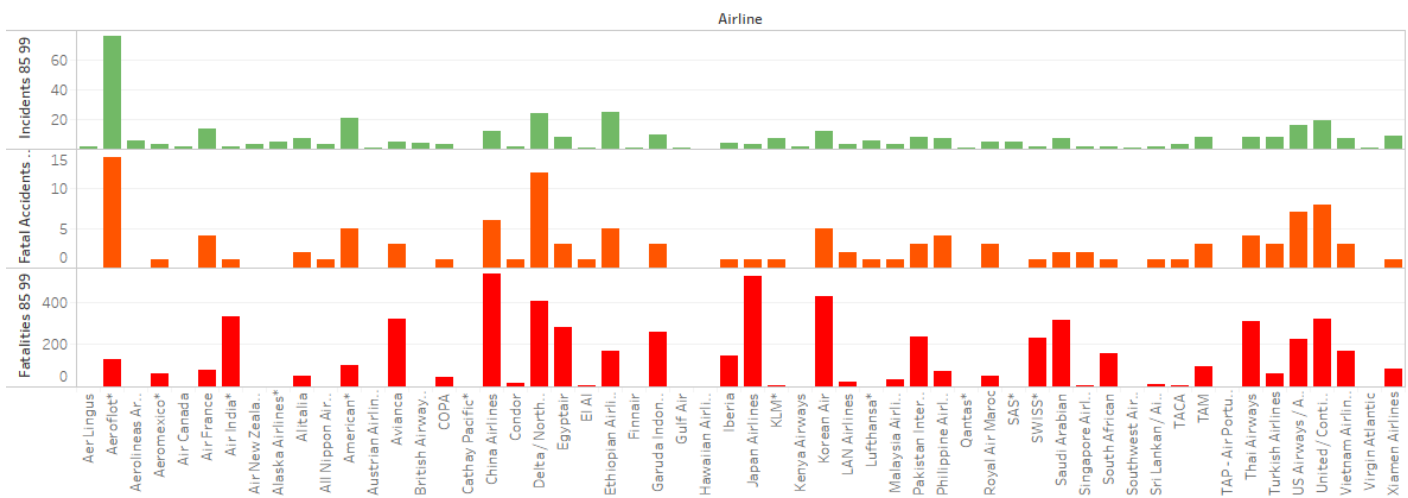


AIRLINE SAFETY ANALYSIS REPORT

Hello Everyone. Now it is no surprise that the media is now portraying airline travel as a safety risk to the public, by manipulating data to tell stories that support their narrative. They are attempting to convince the public that airline travel, which was previously thought as the safest way to travel, especially when compared to automobiles, is no longer on the forefront of

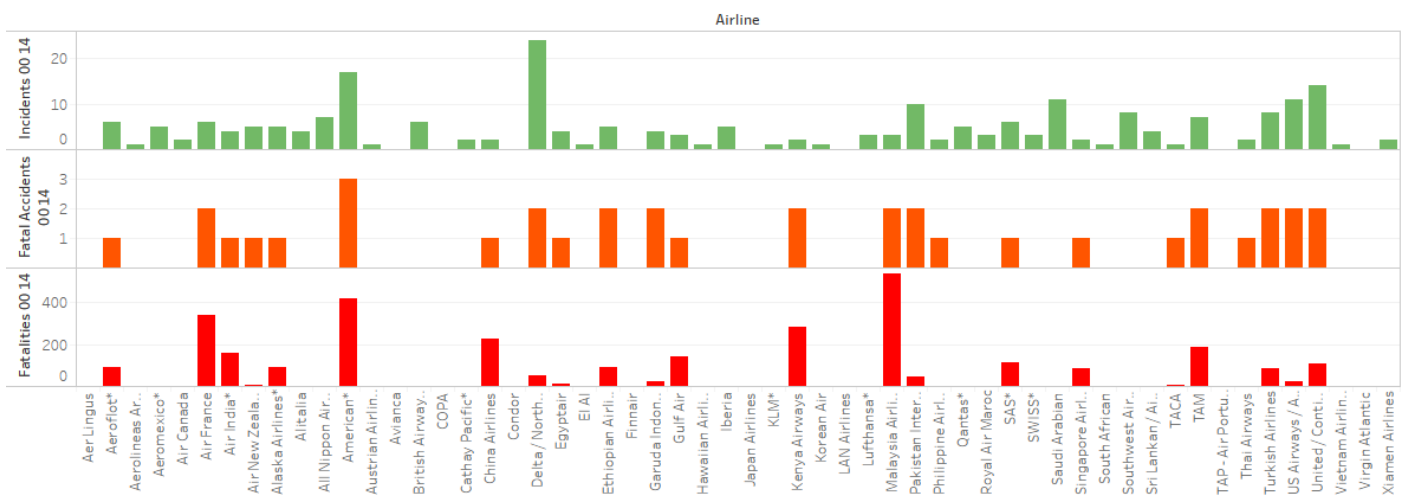
safe ways to travel. To debunk this claim, we would first start by analyzing the airline safety dataset we received. This dataset contains 3 main groups of data, containing the number of Incidents, Fatal Accidents and Fatalities, and is further divided into two time periods, with period one spanning from '85-'99, and period two spanning from '00 – '14.

Incidents, Fatal Accidents, Fatalities from '85 - '99



Sum of Incidents 85-99, sum of Fatal Accidents 85-99 and sum of Fatalities 85-99 for each Airline.

Incidents, Fatal Accidents, Fatalities from '00 - '14

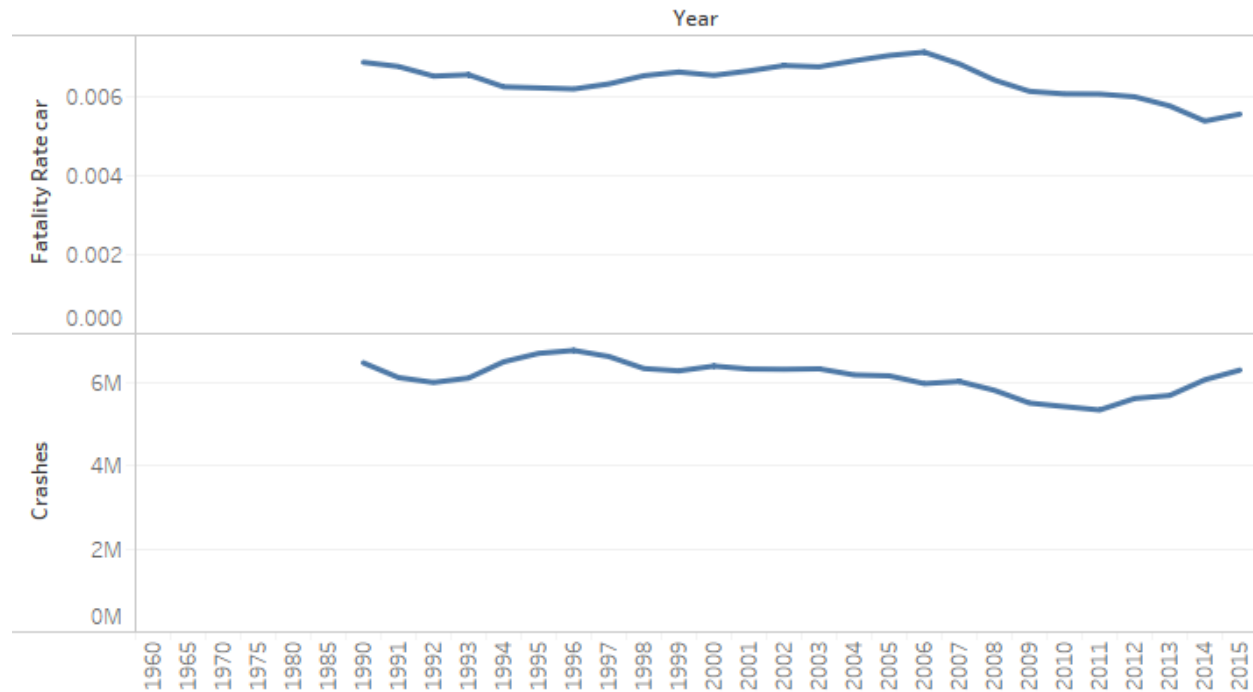


Sum of Incidents 00-14, sum of Fatal Accidents 00-14 and sum of Fatalities 00-14 for each Airline.

AIRLINE SAFETY ANALYSIS REPORT

From a primary observation, we can already see that there was a significant rise in the number of incidents in the later years across all airlines, but we can also see the drastic fall in the number of fatal accidents and fatalities across the airlines as well. So how is the media portraying air travel in a negative light, in comparison to automobile travel? In a Monroe County Crash Dataset we obtained, a calculation was performed to come up with a fatality rate of motor vehicle accidents, and the fatality rate was plotted against the number of car crashes as seen below:

Fatality Rate vs Crashes



The trends of sum of Fatality Rate car and sum of Crashes for Year Year.

Now if we take a closer look at the years from 2000 – 2014, we can observe that the rate of fatalities is somewhat consistent with the number of crashes, meaning more crashes resulted in fatalities than in airline accidents. I believe from these points, we can dive deeper and find even more trends that would support our stance.

References

Airline Safety Dataset, Aviation Safety Network

Monroe County Crash Data_2003 to 2015 ,Data Catalog, Data.Gov