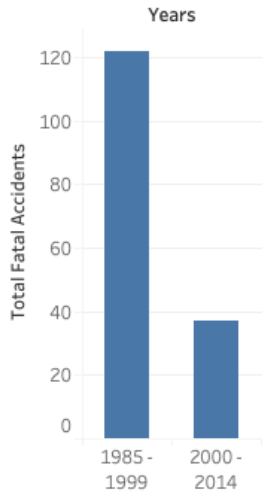
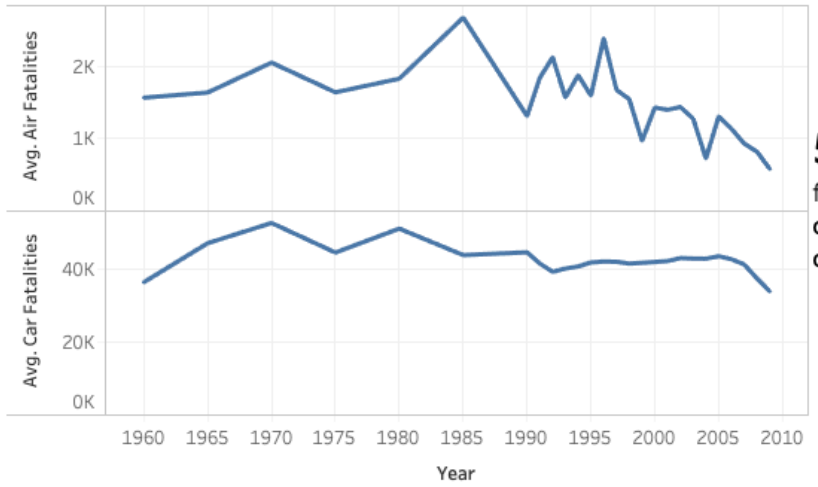
Number of Car Crashes

Fatal Accidents

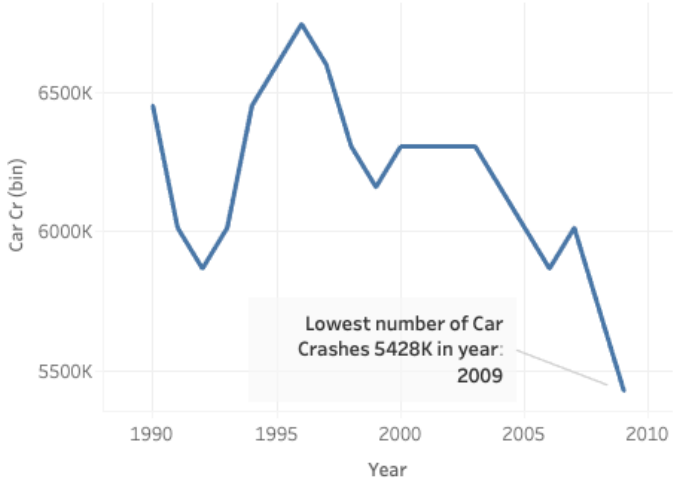


Airplane and Car Crash Fatalities

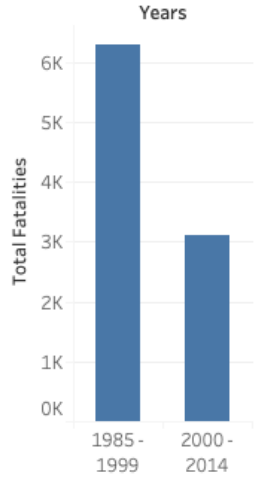


58.3 times more fatalities from **car crashes than airplane crashes in 2009**

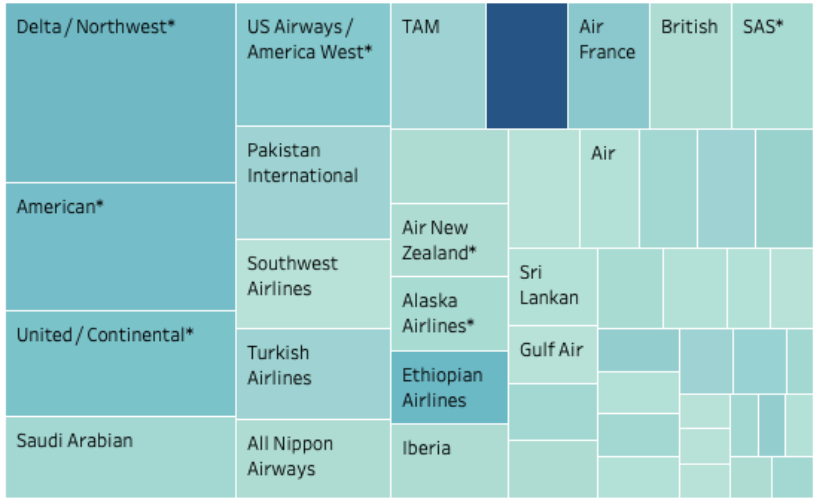
Number of Airplane Crashes



Total Fatalities



Incident occurences by Airline



Air Travel Report
Documentation

Due to recent airline crashes, there has been narratives propagated in the media that air travel is no longer the safest way to travel. While those statements are not true when comparing with cars, I was tasked to develop this dashboard to advise our team on the recent trends and statistics.

The data cleaning and joining was performed through python. The Jupiter notebook can be found in the github repository to see how the information was obtained.

Starting on the left side we collected data from Airplane Crashes Since 1908 (Kaggle) and Motor Vehicle Safety Data from the Bureau of Transportation Statistics to provide comparison of year by year numbers of crashes and fatalities.

We utilized the Airline Safety Dataset from Aviation Safety Network for initial exploration. The summary graphs in the middle of the dashboard are based upon this data. While the dataset is general describing 15 year period we can still see the overall trend of crashes and fatalities going down across airlines around the world. The Airlines with most occurrences can be seen in the area map where in the top left we can see Delta/Northwest.

I utilized Tableau to build the graphs, and utilized the default colors. This Dashboard is meant for our team and other consideration can be discussed when it comes to internal company distributions or public relation articles.

Repository:

https://github.com/vilius-git/DSC-640-Airline

Sources:

https://www.bts.gov/content/motor-vehicle-safety-data
https://www.kaggle.com/saurograndi/airplane-crashes-since-1908