

Amazing Facts About Airlines Safety

Infographic Project 4.3

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July 31, 2021

The transportation sector is vital to the success of our industry. Put simply, if we can't move people from place to place, whether by air, sea, or land, we don't have an industry. This infographic takes a strong approach why flying is safer, covering each segment of the safety transportation sector globally, and domestically.

Airlines are faced with many challenges. In addition to operating in a strict regulatory environment, airlines yield extremely small profit margins. In 2013 the industry accumulated \$10.6 billion worldwide in revenues, although global profit margins were just 1.5%. To put that into perspective, while the average airline earned 1.5%, Apple's profit margins were almost 14 times that at 20.15%.

Airport authority encourages airlines to view safety from several points, including reducing operational risks such as plane crashes, accidents, and fatal incidents, by running safety audit programs. They also advocate for improved infrastructure such as runway upgrades and training for pilots and other crew. Finally, they strive to understand emerging safety issues, including the outsourcing of operations to third-party companies.

As you can see, airlines must strive to maintain profitability, despite thin margins, in an environment with heavy government regulation. But at the same time, they must be responsible for the safety of their passengers.

In absolute numbers, driving is more dangerous, with more than 5 million accidents compared to 20 accidents in flying. A more direct comparison per 100 million miles pits driving's 1.27 fatalities and 80 injuries against flying's lack of deaths and almost no injuries, which again shows air travel to be safer.

Methodology

Color: Red Black and Blue

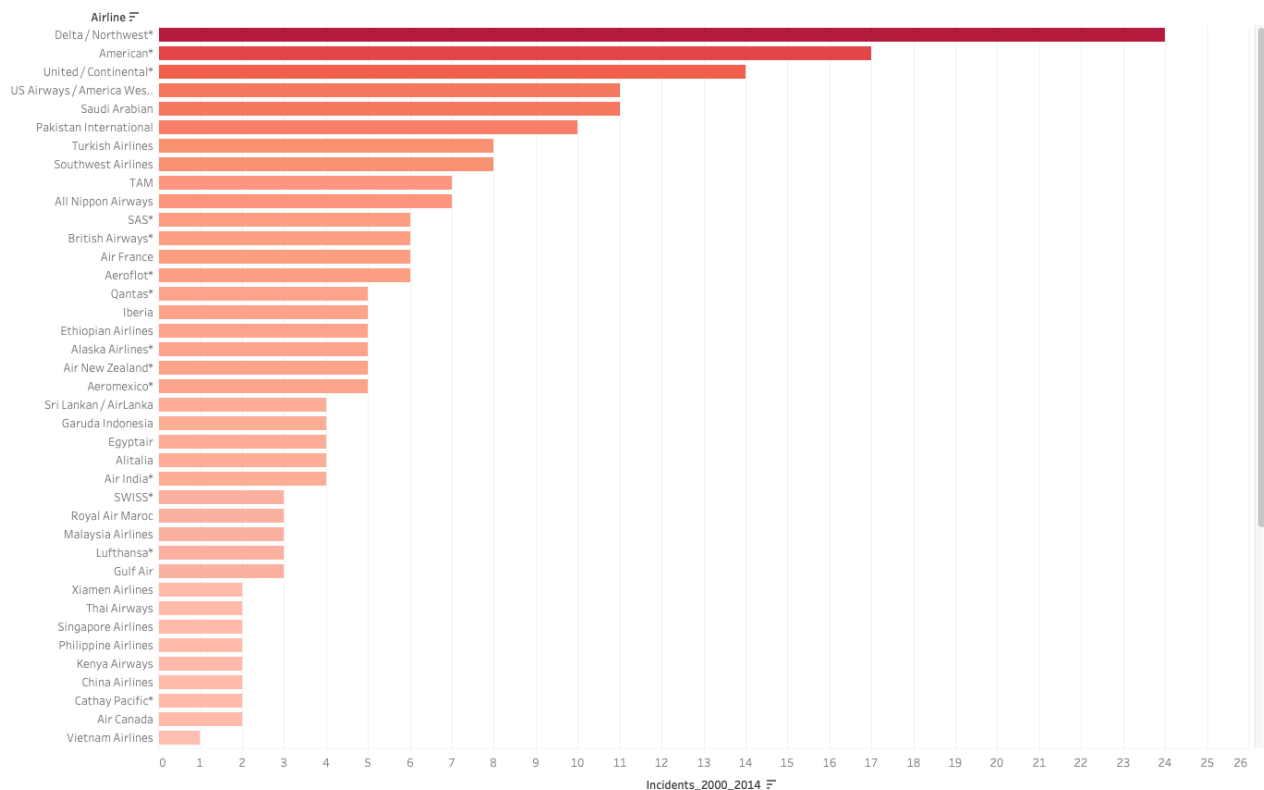
Labels: Used data from Transportation and Airline safety

Charts: Bubble charts, Bar Charts and Line Charts

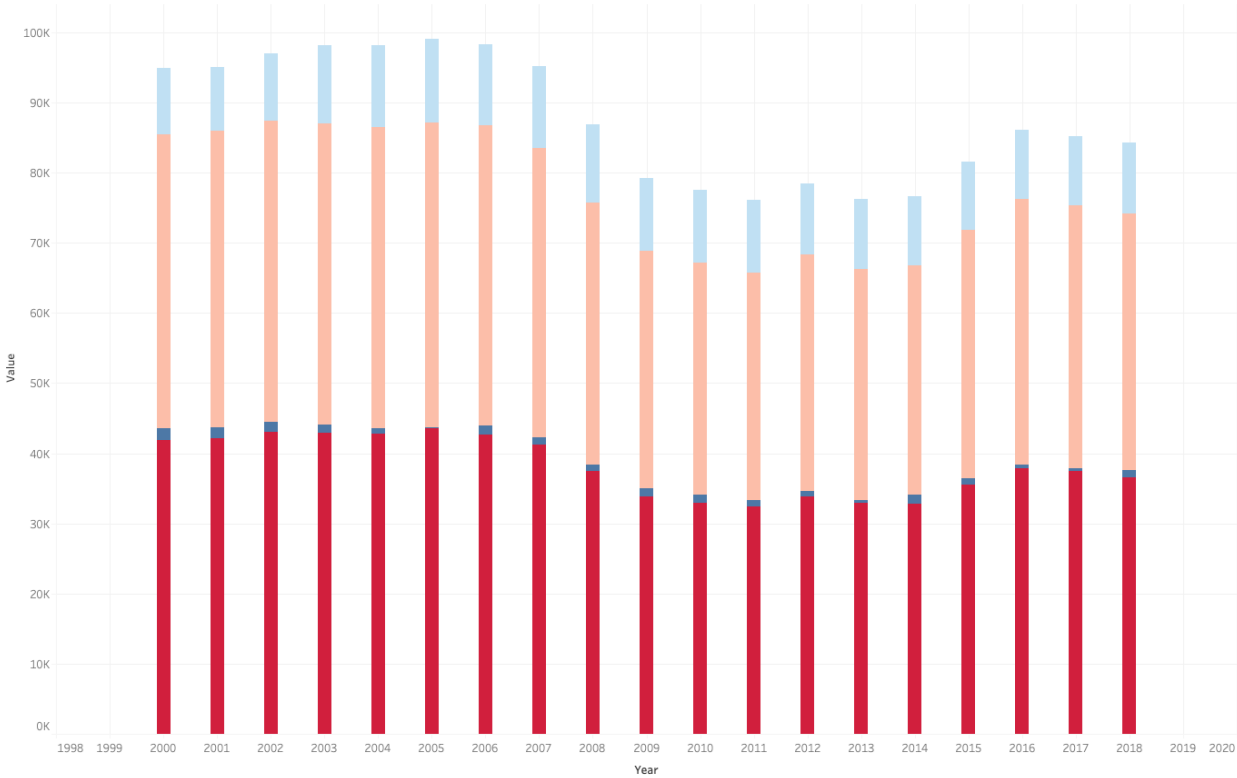
Infographic Topic and Information

- Discuss International and Domestic airlines
- Air Travel safety
- Departures and Traffic accidents
- Transportation Spectrum
- Airline Profits
- Flying is the best form of traveling

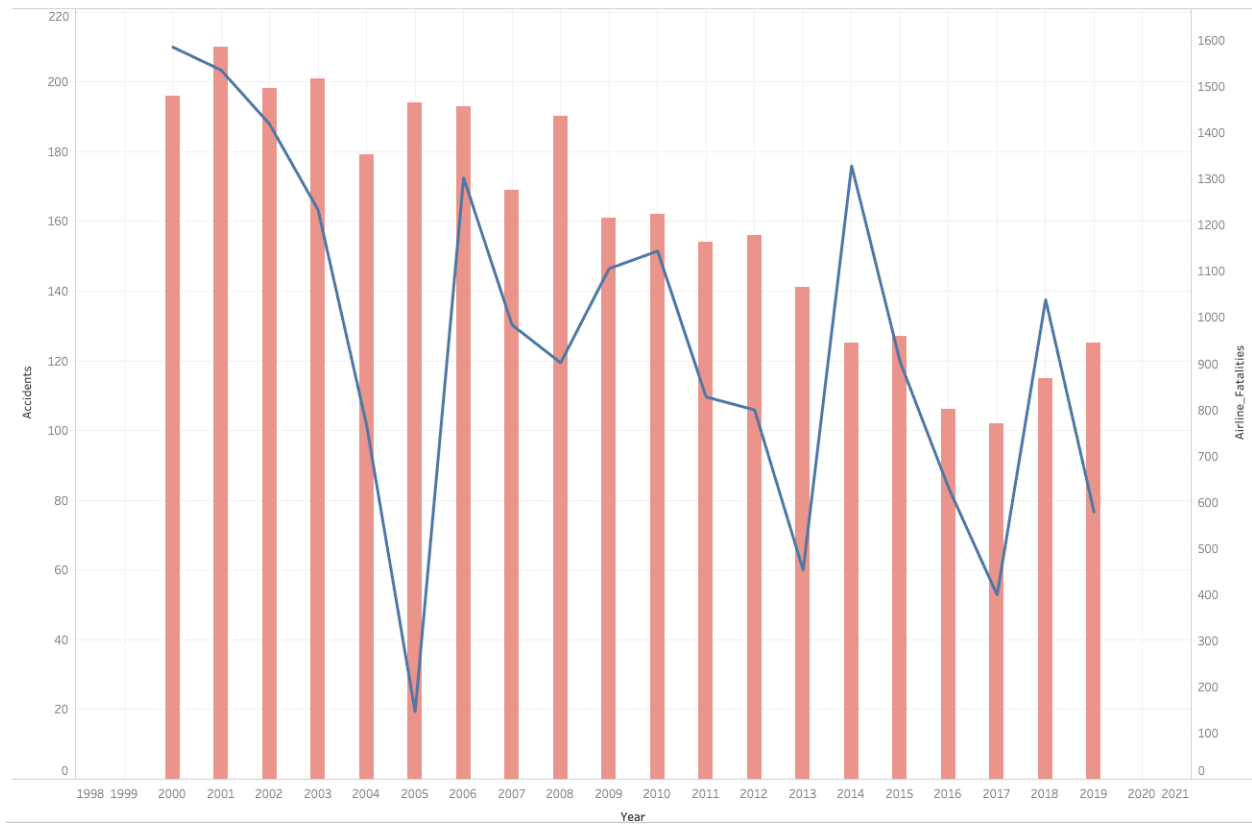
Airlines - Incidents



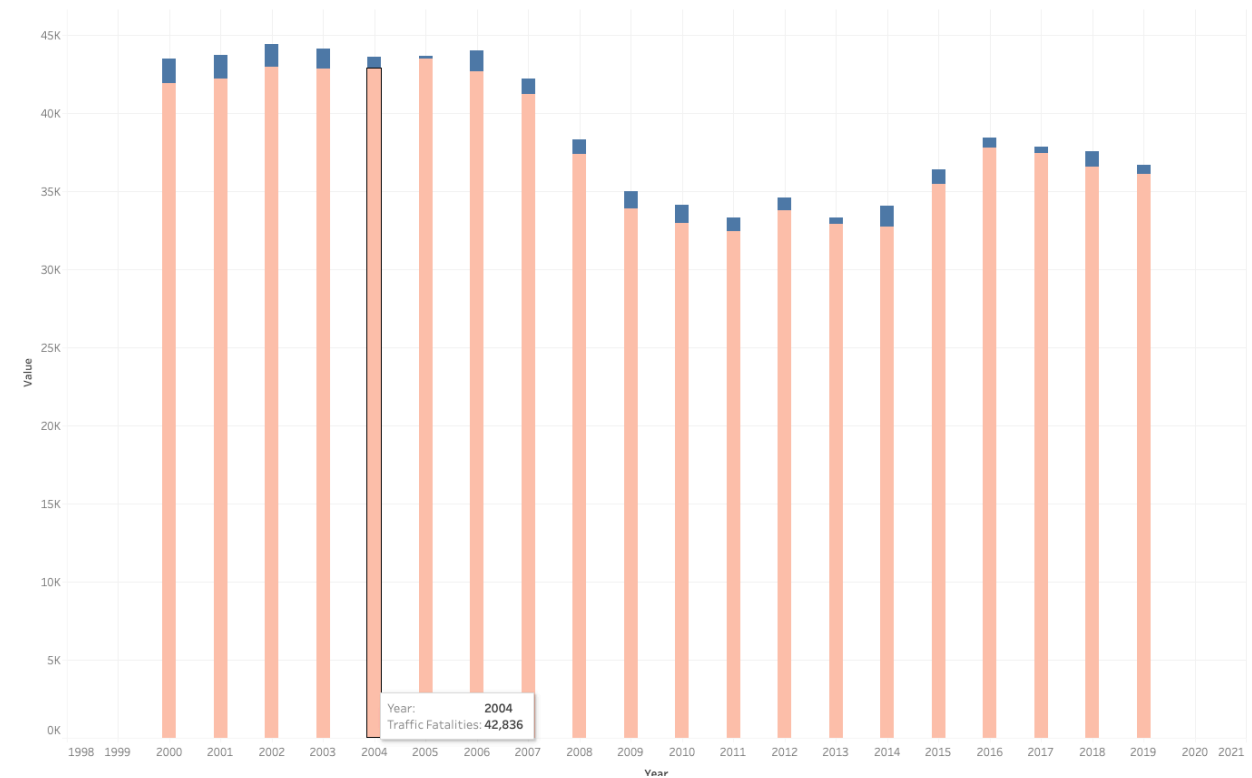
Airline Departures & Traffic Fatalities Rate From 2000 to 2019



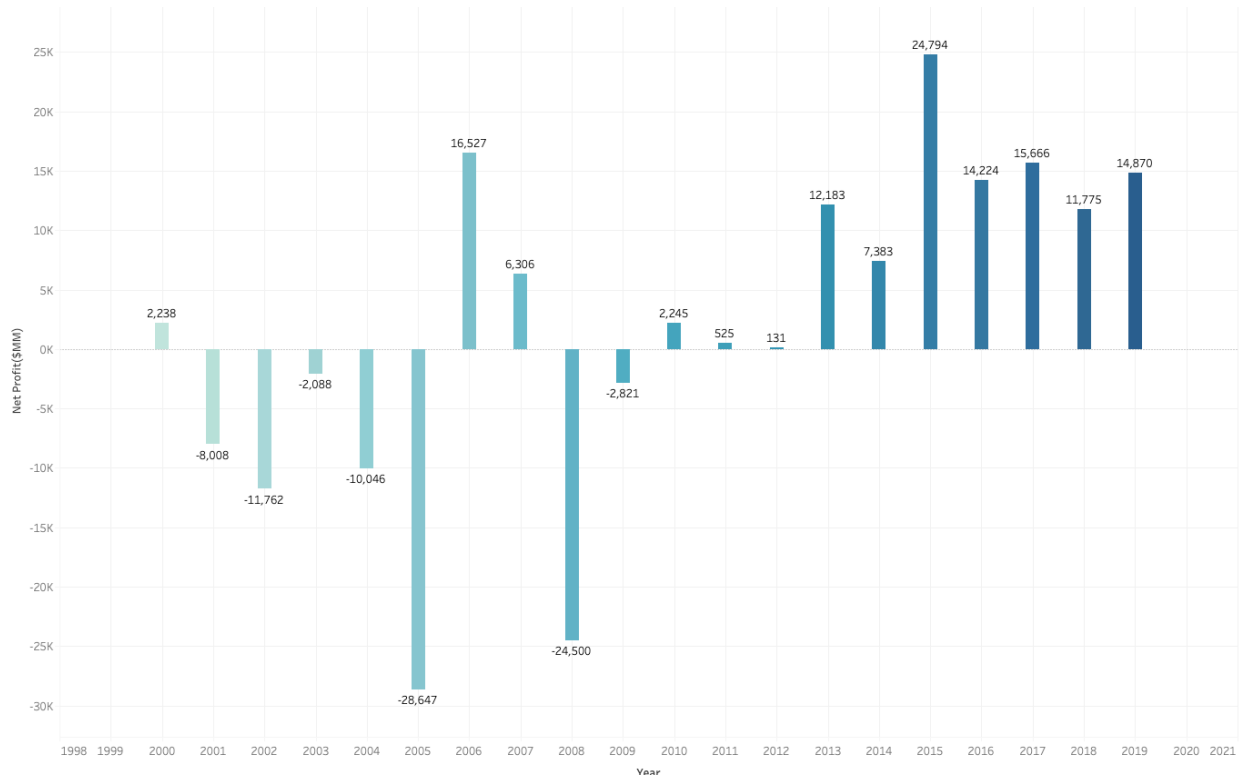
Airline Accidents and Fatalities From 2000 to 2019



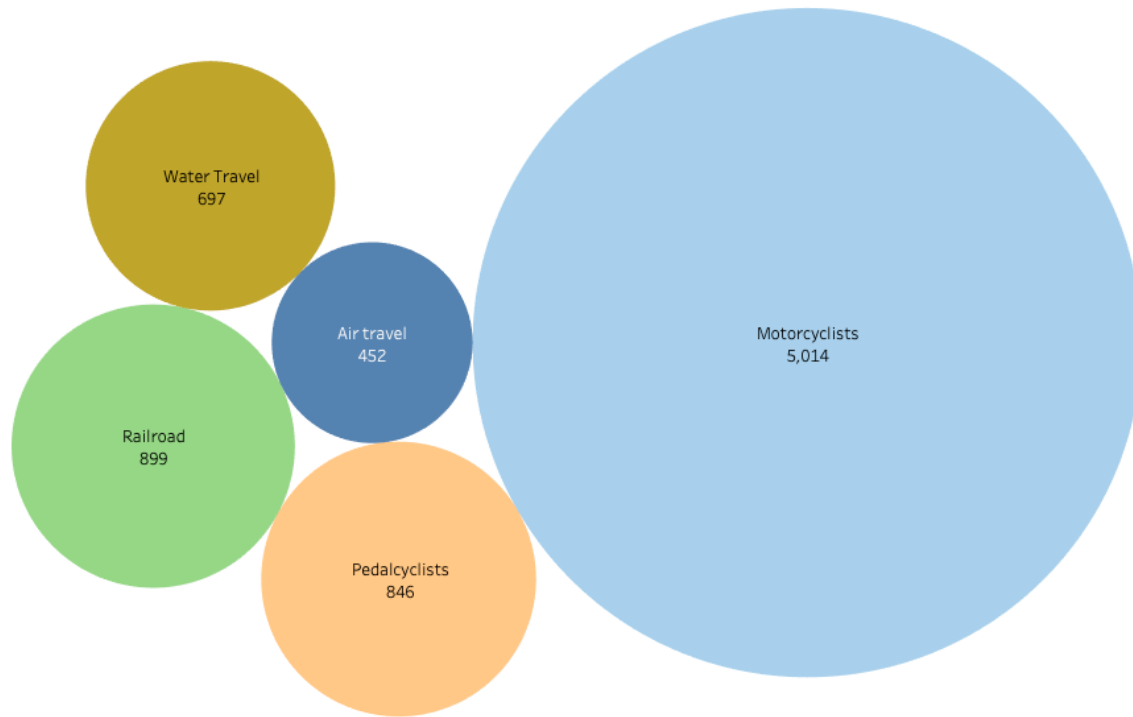
Traffic Fatalities vs Airline Fatalities From 2000 to 2019



Airline Net Profit From 2000-2019



Transportation Safety Spectrum in 2019



Reference:

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<https://github.com/fivethirtyeight/data/tree/master/airline-safety>

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