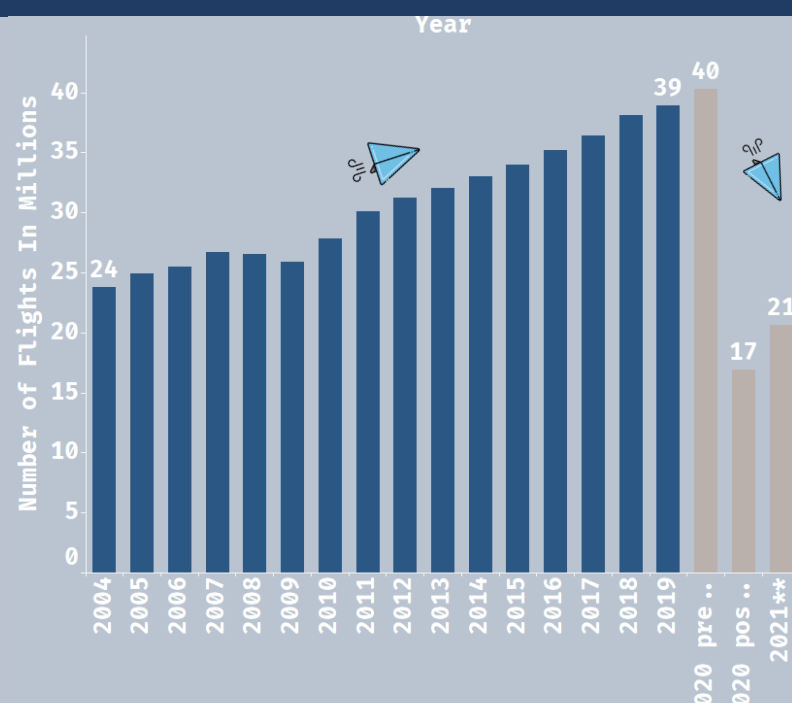
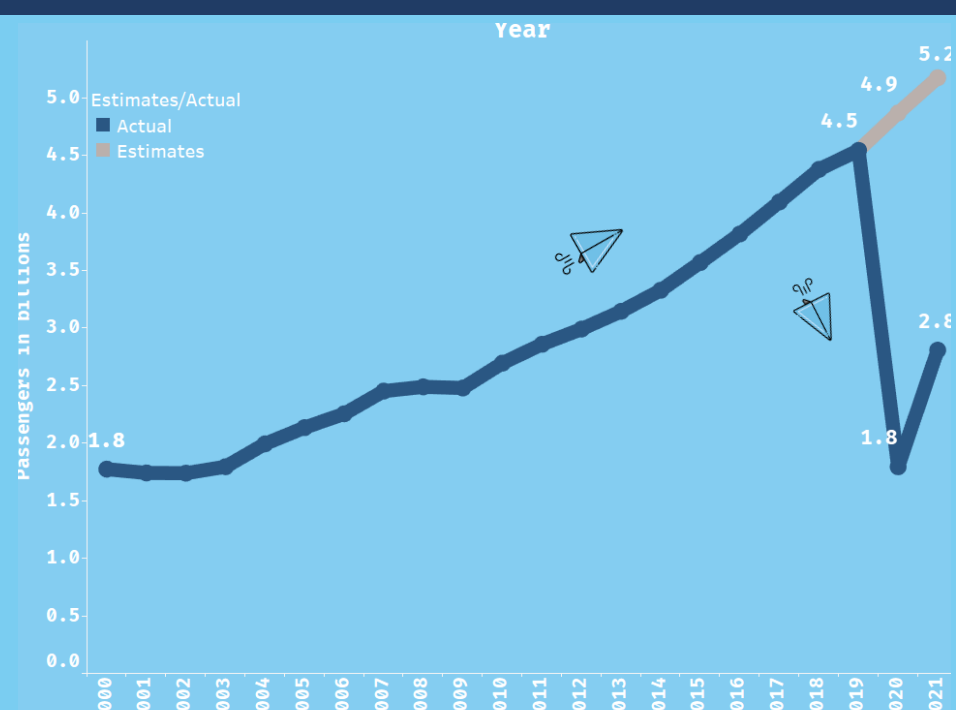


# Tough times for airline industry

## Covid Impacts and Safety Concerns

### Low passengers volume

The number of air passengers increased consistently from the year 2000 through 2019 from 1.38 billion to 4.54. The number of air passengers traveled in the year 2020 is dropped to 1.79 billion in contrast to the 4.9 billion estimated

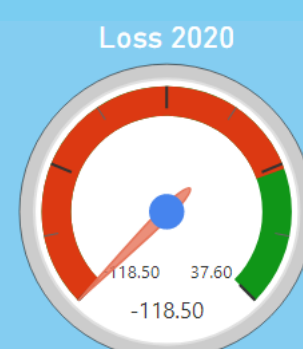
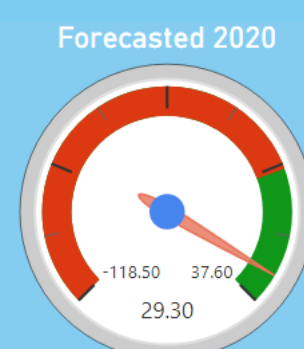
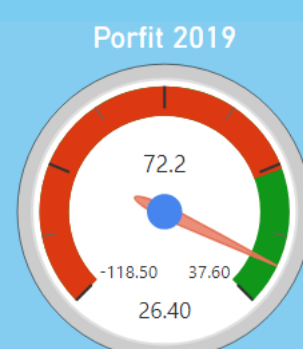


### Number flights decreased

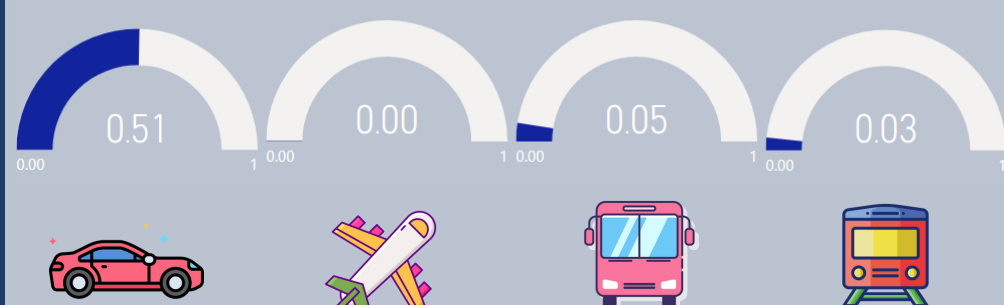
Since the early 2000s, the number of flights increased from 23.8 to 38.9 million yearly by 2019. For the year 2020, roughly 40.3 million flights were scheduled however, only 16.9 million flights took off.

### Heavy loss in 2020

For the year 2020, the profit of \$29 billion was forecasted however, due to covid-19, airline industry incurred a massive loss of \$119 billion.



### Death rate per 100,000,000 passenger miles



### Safest mode of transport

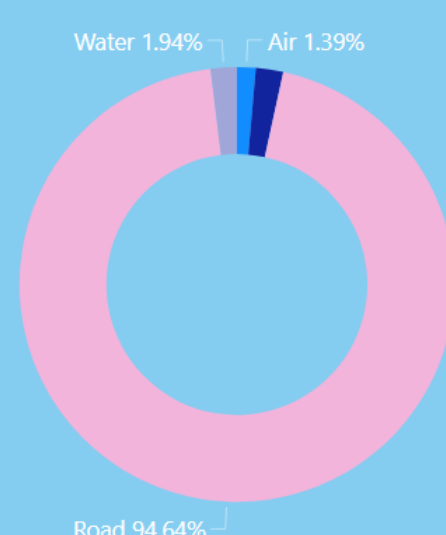
Compared to other modes of transportation, the aviation industry has an average death rate of 0.003 per 100,000,000 passenger miles for the period 2007-2019.

### Less fatalities

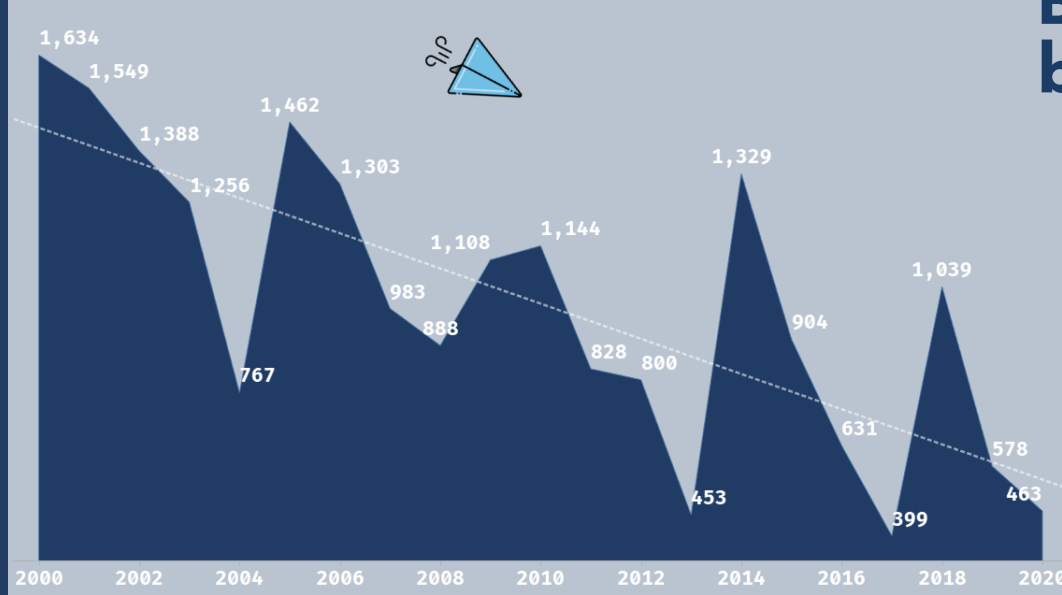
From 2000 through 2019 airline industry contributed to 1.39% of fatalities as opposed to 94.6% by Road, 1.94% by water, and 2.03% by Railroad.

Fatalities By Mode(2000-2019)

● Air ● Rail ● Road ● Water



### Air travel fatalities trend(2000-2020)



### Becoming safe day-by-day

The aviation industry is continuously improving its safety. On average, 956 fatalities in airline accidents as compared to 33,000 average fatal road accidents in the United States in the past 20 years. In past 20 year accident number came down by 35.3%.

### Sources:

- National Transportation Statistics - <https://www.bts.gov/content/transportation-fatalities-mode>
- National Transportation Statistics - <https://www.bts.gov/content/fatality-rates-mode>
- Airline Safety: [https://github.com/fivethirtyeight/data/tree/master/airline safety](https://github.com/fivethirtyeight/data/tree/master/airline%20safety)
- Aviation Safety: <https://aviation-safety.net/database/>
- Bureau of Aircraft Accident Archives: <https://www.baaa-acro.com/statistics/death-rate-per-year>
- Airline of America: <https://www.airlines.org/dataset/safety-record-of-u-s-air-carriers/#>
- Industry Statistics: <https://www.iata.org/en/iata-repository/publications/economic-reports/>
- National Highway Traffic Safety Administration Industry Statistics: <https://cdan.dot.gov>
- Industry Statistics: <https://www.iata.org/en/iata-repository/pressroom/fact-sheets/industry-statistics/>