

# Is it safe to travel by Air

## Is it safe to travel by Airline ?

February 09, 2021



### **Topic**

***Travel by air is still one of the safest mode of travel despite of media propaganda.***

- Saurabh

Biswas

### **Overview**

There have been many technological advancement since Aviation industry was first formed. Introduction of satellite based communication system, navigation system, radar technology, forecasting weather more accurately, advancement cockpits - have made airline travel safer. On the other hand cost of technology, production cost of making an aeroplane has reduced - thus making airlines more affordable to common people. There are close to 80 million people traveled by air in the moth on January, 2020. This shows, a large number of population considers air travel as safe mode of travel.

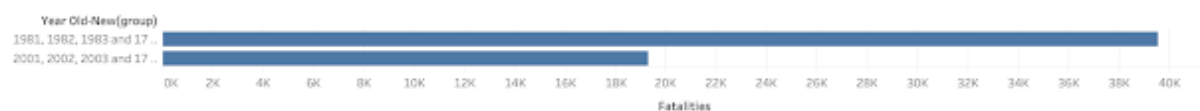
Even though number of airlines and their trip frequency have increased

Even though number of airlines and their trip frequency have increased tremendously as compared to earlier days, but the number of accidents and fatalities have reduced significantly.

## Airline Safety Data

If we look at the airline fatalities data for twenty years prior to year 2000 and twenty years after that, we will notice more than 50% decline in fatality numbers. Number of flights have increased dramatically in recent years. We have roughly 3 million flights running per month by different aircrafts. This is possible only because of the technological advancement

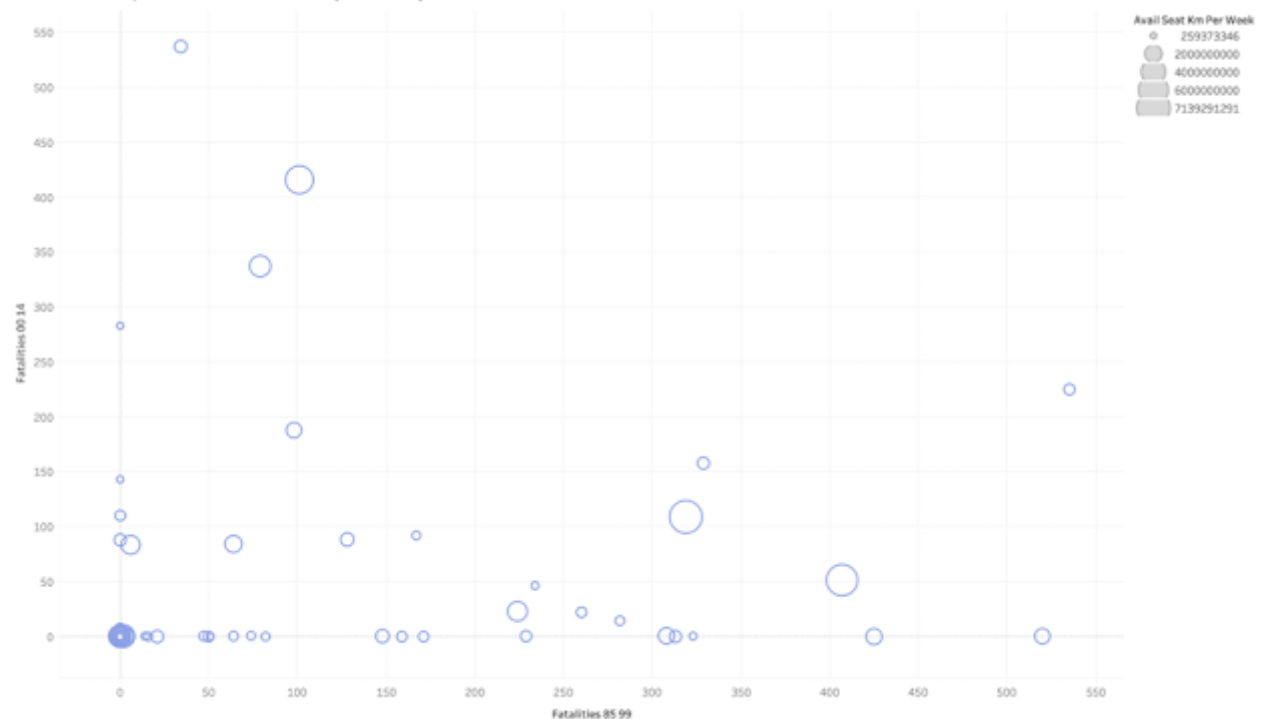
Airline Fatalities - Till 2K and After 2K



A research on worldwide airlines fatalities between 1981-2000 and 2001-2020 shows an overall >50% decrease in number of fatalities

There are more statistical data to prove above point. If look at the below graph, we will notice, number of fatalities are less between 2000-14 as compared to 1985-99, especially where the kilometers flown per week is more.

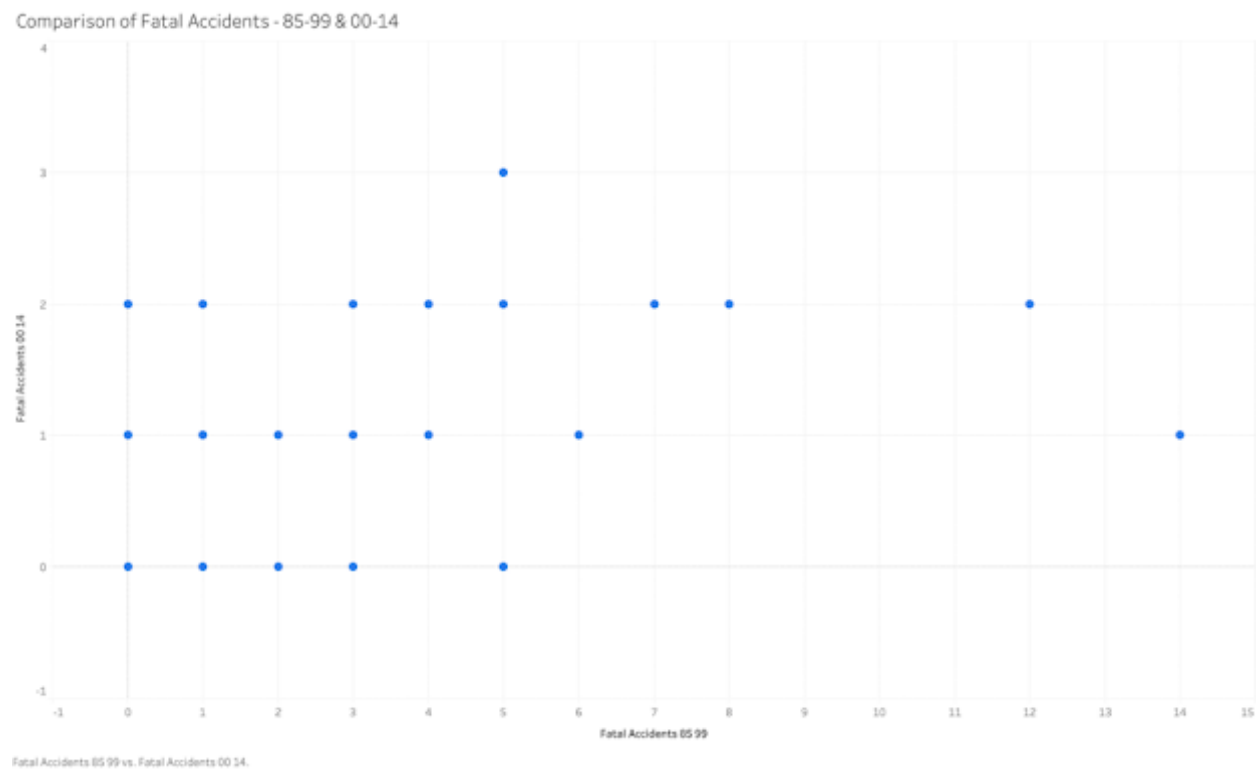
Fatalities Comparison - 85-99 & 00-14 (KM flown)



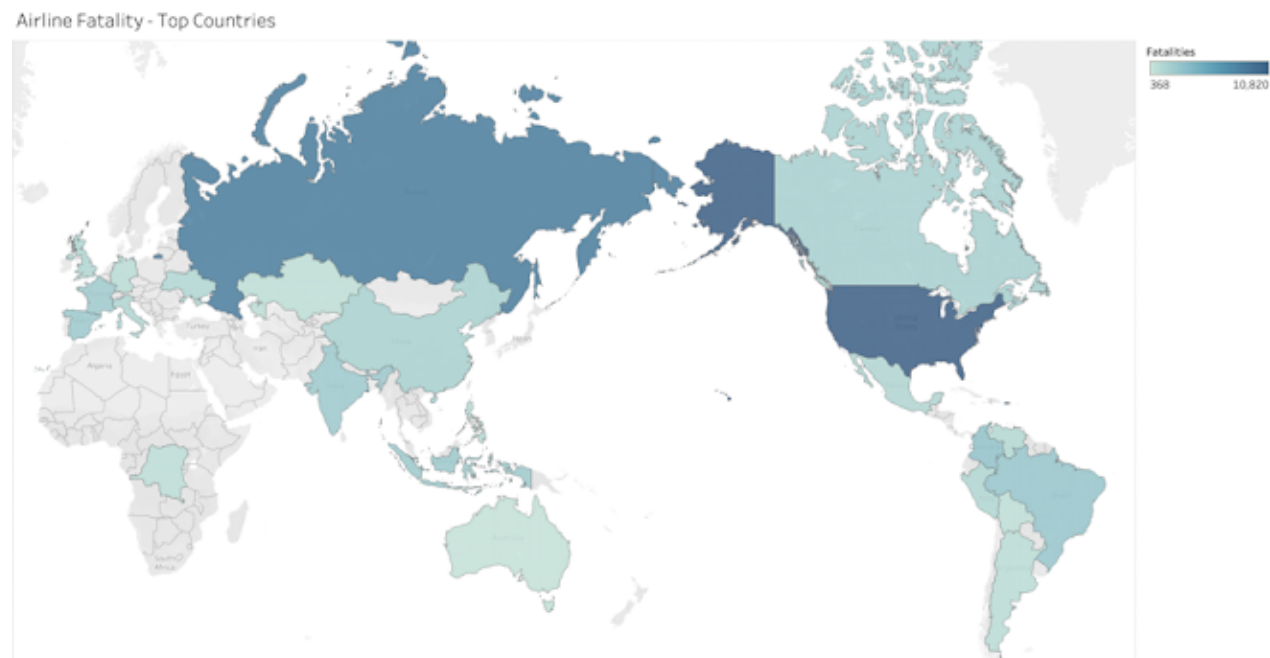
Fatalities 85-99 vs. Fatalities 00-14. Size shows details about Avail Seat Km Per Week.

Number of fatal accidents also reduced in recent years as compared to days when

there were not much technology.

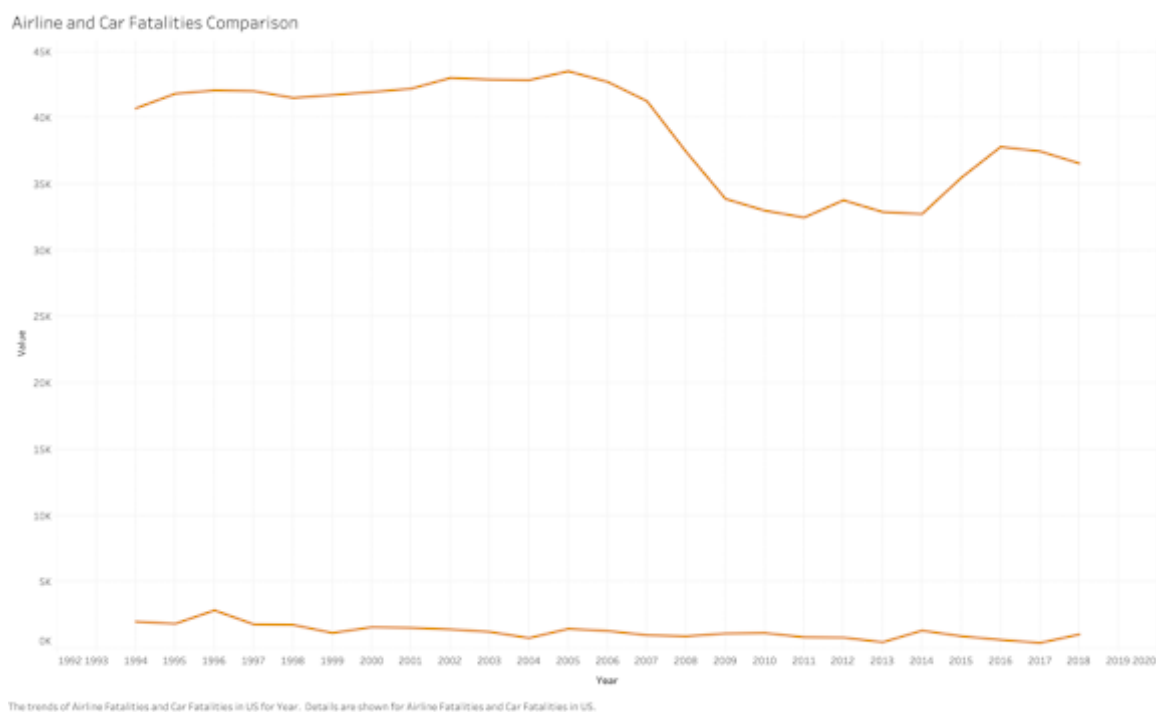


If we look at geographically, we will notice the more number of airline fatalities in USA and Russia. The reason being more number of flights operates in USA than other countries.

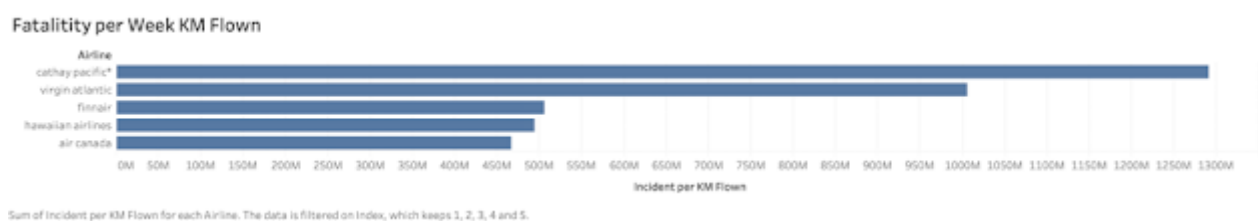




Now fatality comparison between other popular modes of travel i.e. travel by car with airlines will clearly show that airline is safer than car. Following graph shows a trend of fatalities over a time period (1994-2018). One point to note here is that the data used for car fatalities belong to USA whereas the airline fatalities data are from all over the world.



Finally, there are few airlines that are safe as compared to others. Fatality per kilometer flown in a week is very high for these airlines. So, passengers should be very comfortable in selecting these airlines as their preferred one.



Aviation industry is constantly evolving. We will be amazed if we think about the emerging and evolving innovations regarding comfort and safety in the airlines space. Ranging from satellite communication system, radar system, evolving cockpit technology, constant flight status monitoring, passenger cabin safety measures, airport control, security checking and airport safety, - all work together to provide a better and safer travel experience. Considering all the aspects, air travel is one of the safest mode of travel in modern era.

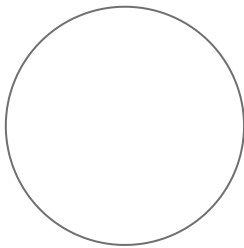


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