

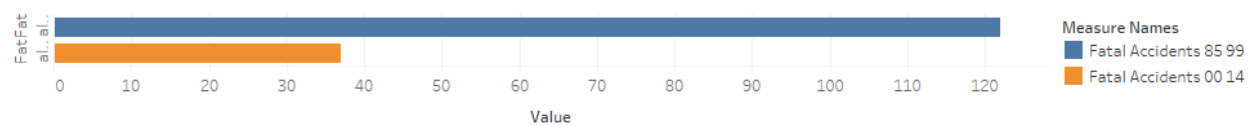
Is Air ways the safest means for Transportation?

Recent news on events has made media discuss about Airline Travel on whether it is safest means of travel. Air travel is the fastest and it is used to reach destinations which is not even possible to travel by road or water. So, is Air Travel really safe? Let's explore based on the statistics.

Airline Fatal accidents and Fatalities

The comparison of Fatal accidents from 1985-1999 and 2000-2014 shows that fatal accidents in recent years has reduced by 3 times. With recent improvement in technology and additional safety measures, Airlines have taken measure based on past incidents to make safety the first priority.

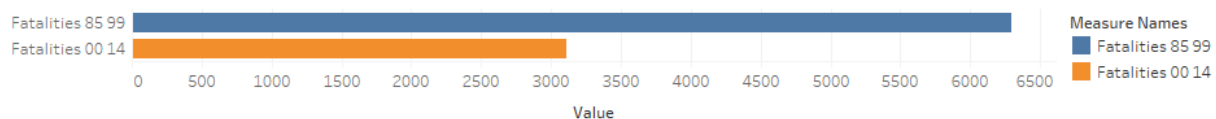
Fatal accidents in 1985-1999 vs 2000-2014



Fatal Accidents 00 14 and Fatal Accidents 85 99. Color shows details about Fatal Accidents 00 14 and Fatal Accidents 85 99.

The number of fatalities has also decreased by 50% in 2000-2014 when compared to 1985-1999. This data validates that recent safety measures taken by Airline industries have made sure that air travel incidents decrease in recent years.

Fatalities in 1985-1999 vs 2000-2014

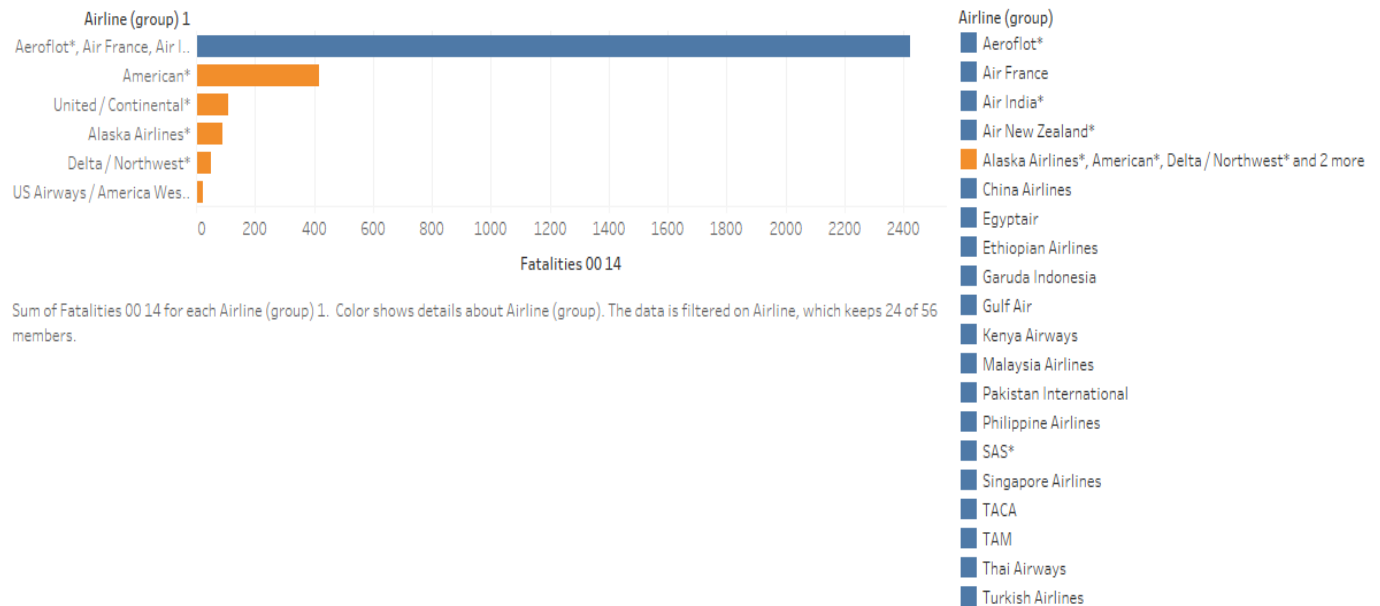


Fatalities 00 14 and Fatalities 85 99. Color shows details about Fatalities 00 14 and Fatalities 85 99.

Safety of US Airlines

Just reporting international incidents as whole may not provide good idea on how safe is air travel in US. As seen below, when compared to international airlines, US airline fatalities are far less. The number of fatal accidents that would have caused the fatalities in US airlines will be even less. This ensures that safety has never been an issue with US airlines.

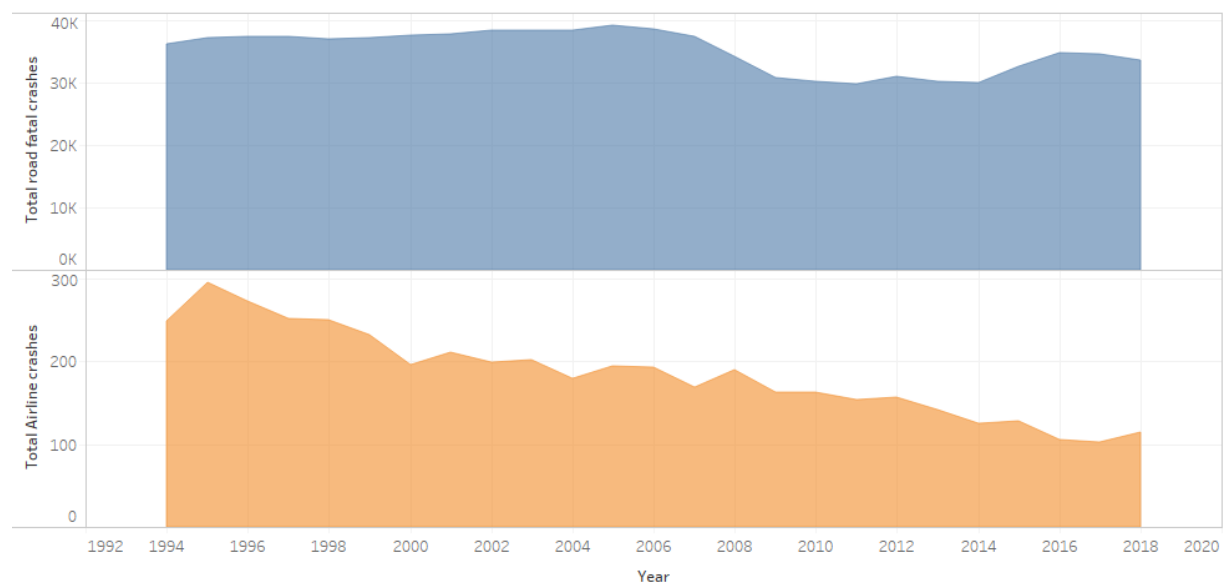
International vs US airline fatalities 2000-2014



Comparing fatalities with road transport

The most common mode of transportation is by road. The number of fatal crashes by road in 2018 is around thirty thousand as compared to little over 100 in Airlines. There is huge gap in this number. Accidents in road may not be always reported by media but Airline crash that happens anywhere in the world is reported by international media. Hence, the actual risk in road travel is often not noticed.

Road vs Aircraft fatal crashes

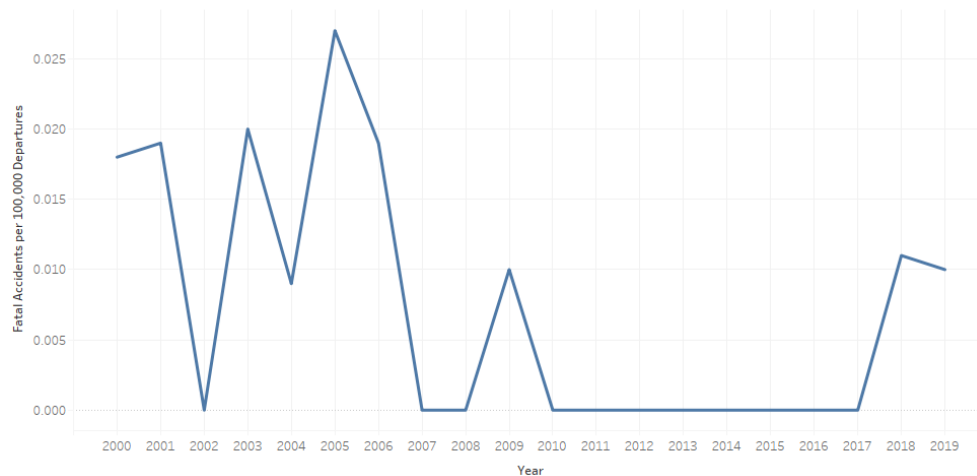


The plots of sum of Total road fatal crashes and sum of Total Airline crashes for Year.

Fatal accidents per 100K departures

The number of fatal accidents per 100K flight departures is very less. It was zero for the period 2010 to 2017 and it continues to decrease in recent years.

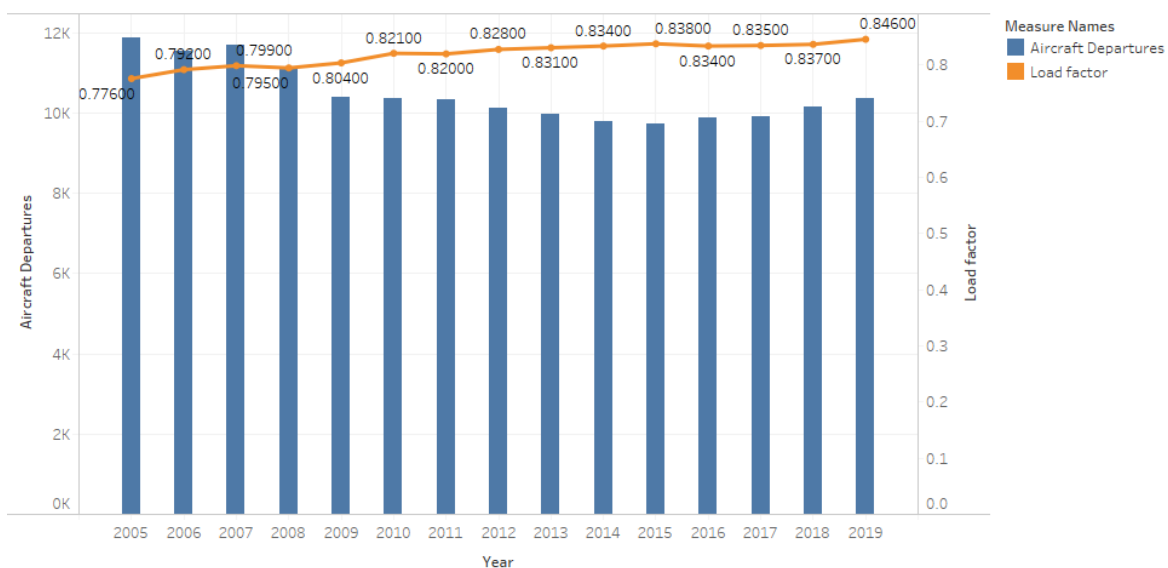
Airline Fatal Accidents per 100,000 departure



US Airline Traffic

The number of people travelling by Air has constantly increased over the years. Although the flight departures have taken slight dip, the percentage of people travelling has increased. This shows trust of the people in Air travel.

US Airlines traffic and capacity

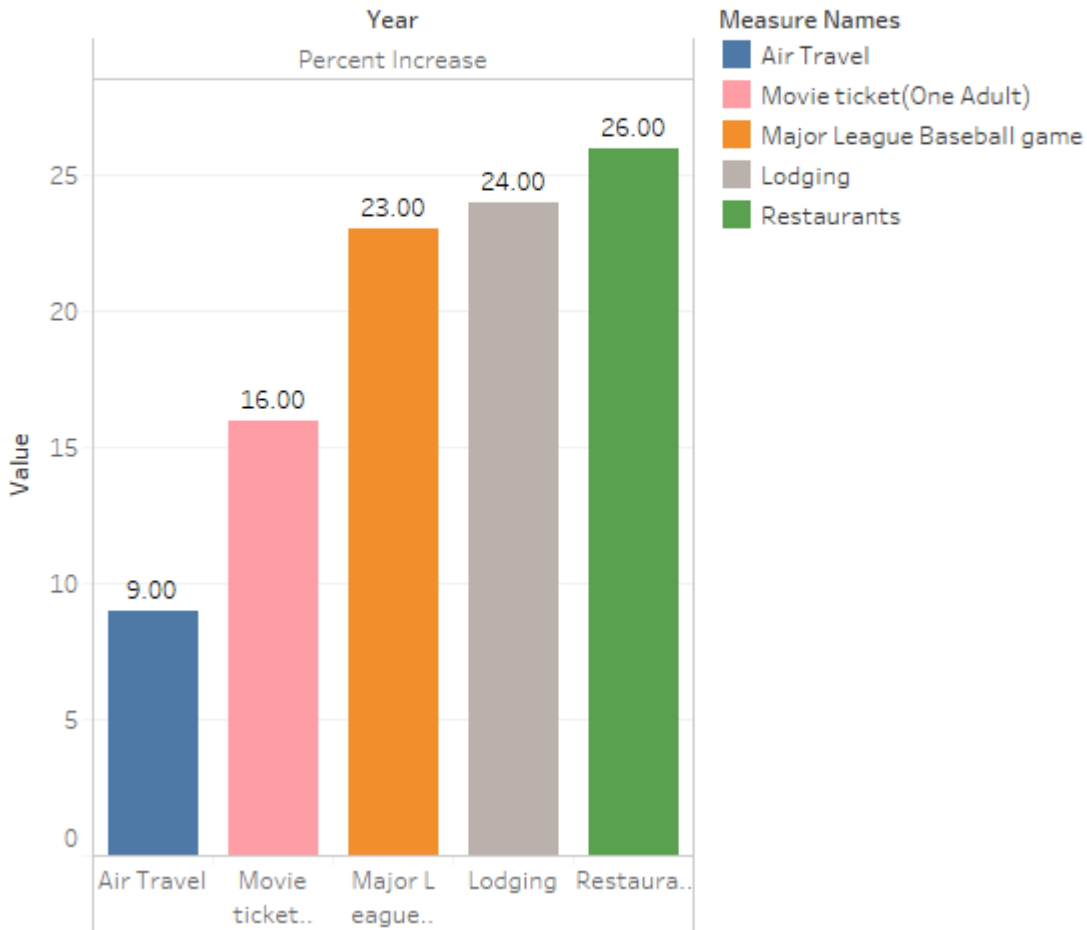


The trends of Aircraft Departures and Load factor for Year. Color shows details about Aircraft Departures and Load factor.

Price index of Airlines

Air travel is affordable by many today. When compared to other common goods, air ticket price has increased by just 9% in a decade and it has made people to choose the fastest mode of transportation.

US Air Travel vs other goods price % increase from 2009 to 2019



All the data points to one main thing – Airline Travel is safe. The number of incidents has decreased in recent years so airlines have made sure safety is the priority and it shows in people's trust where the number of passengers travelled have consistently increased over the years. Airline Travel is Safe, Fast and affordable.