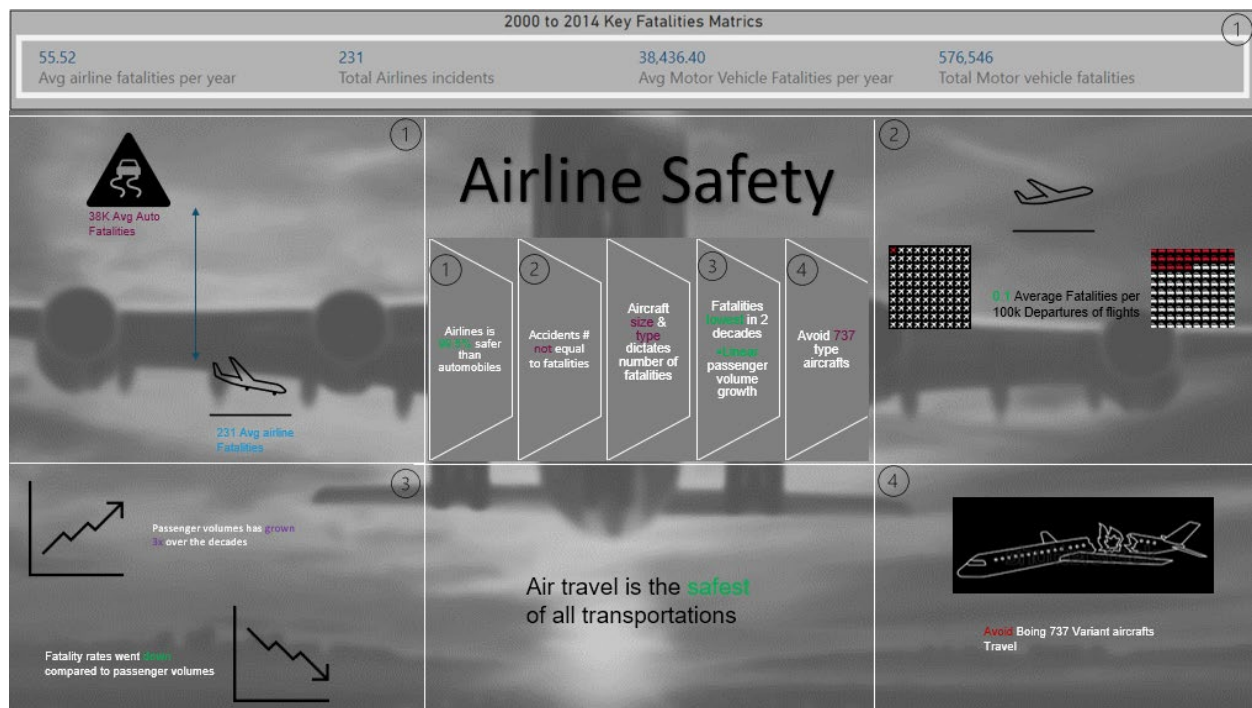
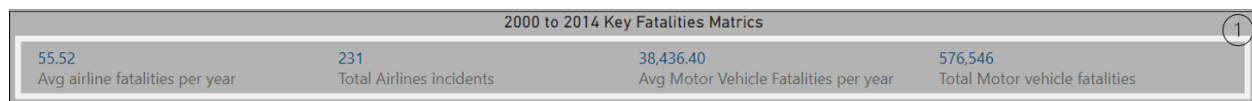


Infographic Writeup

Gist of the Infographic is to show case why airplane travel is still the safest.

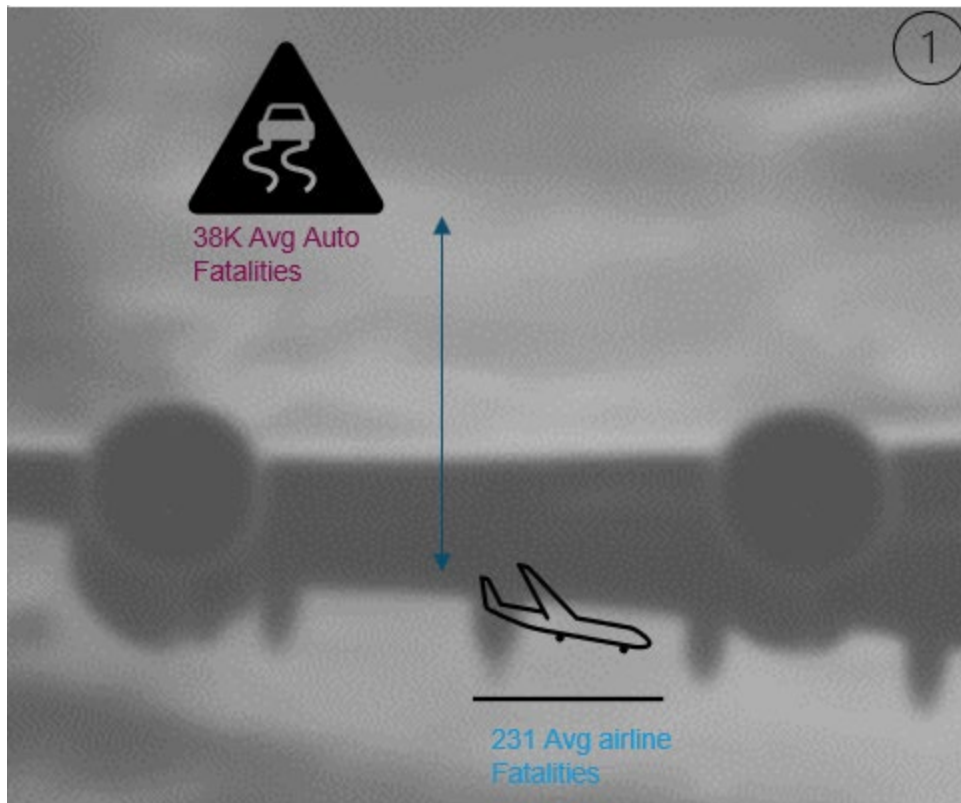


To understand the claims made by media about Airline's safety in recent times, we first need to analyze data comparing automobiles and Airline's incidents and fatalities resulting in such incidents. As shown in the key metrics visual 1.0, motor vehicle fatalities and significantly higher comparing them against the airline's fatalities for the same period of 2000-2014.



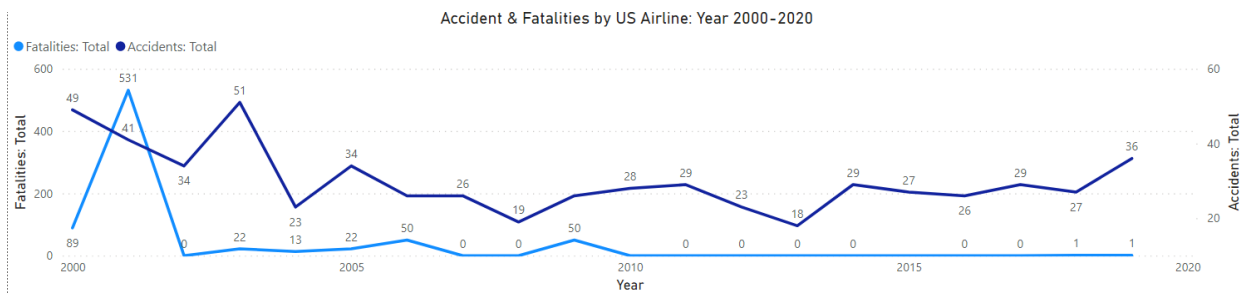
visual 1.0

To ascertain the safety of Airlines, we must look at infographic 2.0, that shows relative accident total numbers, but fatalities remained the same and flattened out, which also indicates that airlines are becoming much safer.



Visual 2.0

This is based on the data and graphs produced with respect to fatalities as depicted in visual 2.1



Visual 2.1

Infographic 3.0 ascertain the fatalities are not directly related to accidents, but the type of aircraft used.



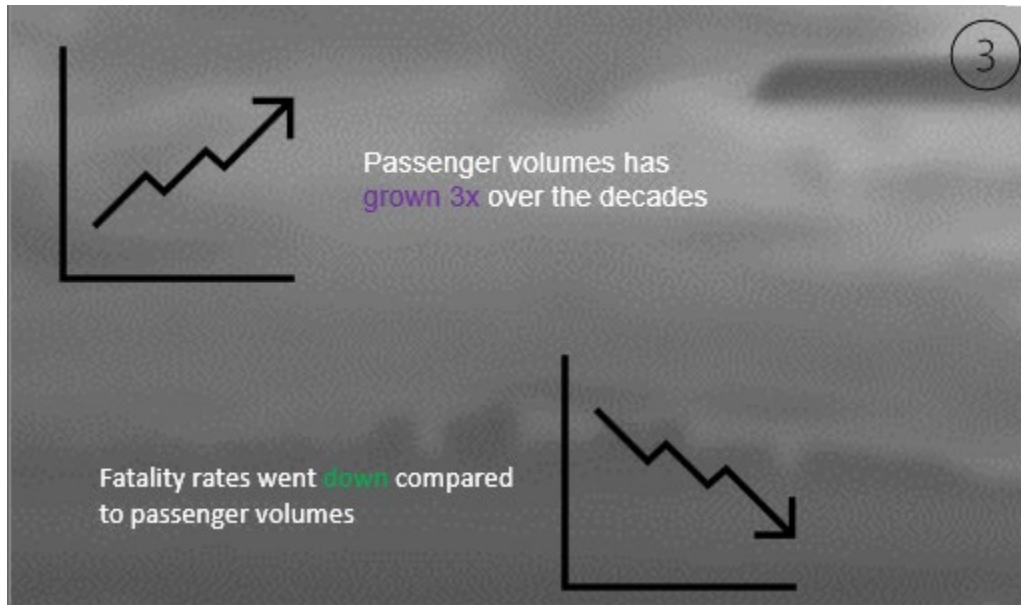
Visual 3.0

To support the infographics, Visual 3.1 gives clear evidence that higher fatalities are not a direct relation to number of accidents by individual airlines, but the size of the aircraft and the type of the aircrafts being involved in such accidents. Which clearly indicates Aeroflot airlines has highest number of accidents, but relatively low fatalities. And at the same time While Chines airlines has highest number of fatalities, but very low accidents.

By Airlines Accidents vs Fatalities btw 85-99											
China Airlines	Korean Air	United / Continental*	Saudi Arabian	Garuda Indonesia	SWISS*	Vietnam Airlines	TAM	Air F...	Xia...		
Fatalities 535	Fatalities 425	Fatalities 319	Fatalities 313	Fatalities 260	Fatalities 229	Fatalities 171	Fataliti...	Fatali...	Fatali...		
Japan Airlines	Delta / Northwest*	Air India*	Thai Airways	Pakistan International	Aeroflot*	South African	Philipp...	Turki...	Aer...		
Fatalities 520	Fatalities 407	Fatalities 329	Fatalities 308	Fatalities 234	Fatalities ... Inci...	Fatalities 159	Fataliti...	Fatali...	Fatali...		
		Avianca	Egyptair	US Airways / Ameri...	Ethiopian Airlines	Iberia	Alitalia	M...			
		Fatalities 323	Fatalities 282	Fatalities 224	Fatalities 167	Fatalities 148	Royal Air...				
						American*	COPA				
						Fatalities 101					

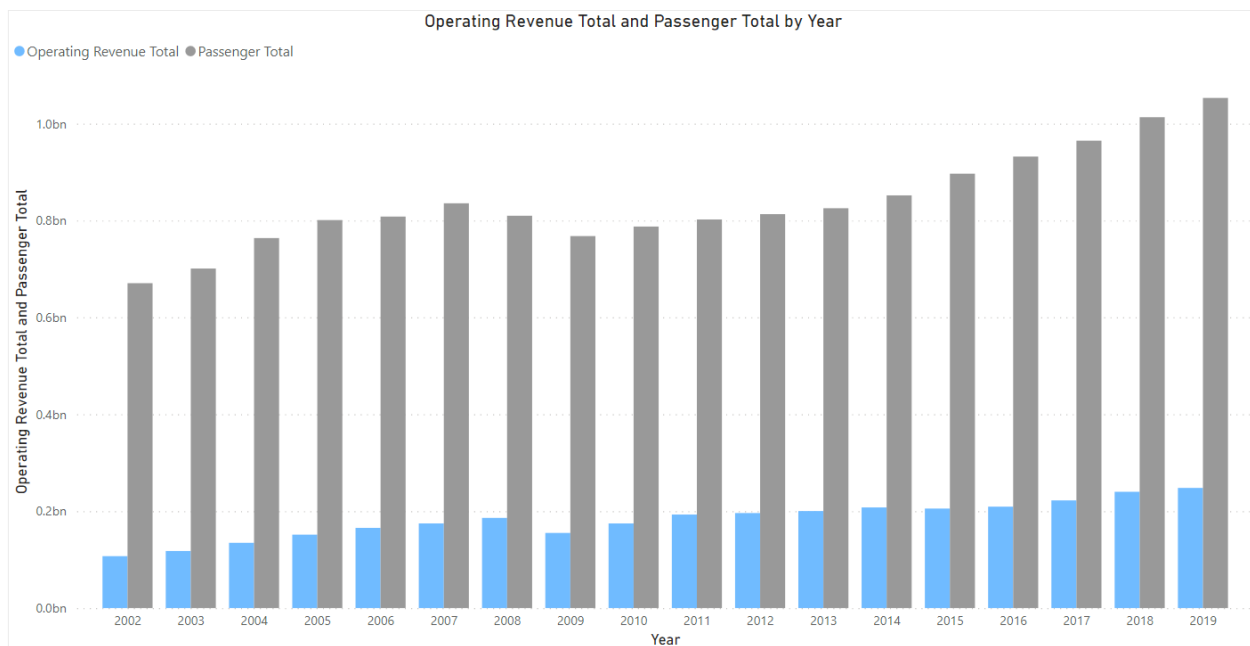
Visual 3.1

Visual infographic 4.0 is showing the fatalities went down relative to volumes of passenger being flown.



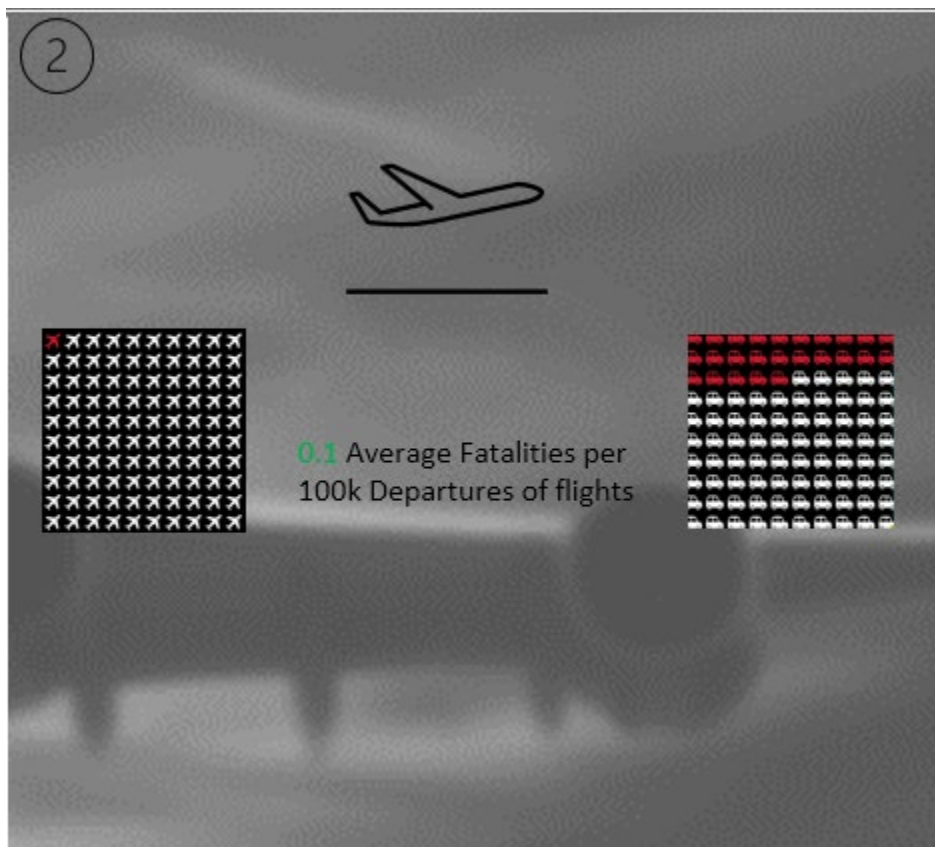
Visual 4.0

Visual 4.1, stacked column chart indicates the airlines are becoming significantly safer by the decade comparing two decades of fatalities. And in some airlines cases they have been no prior fatalities.



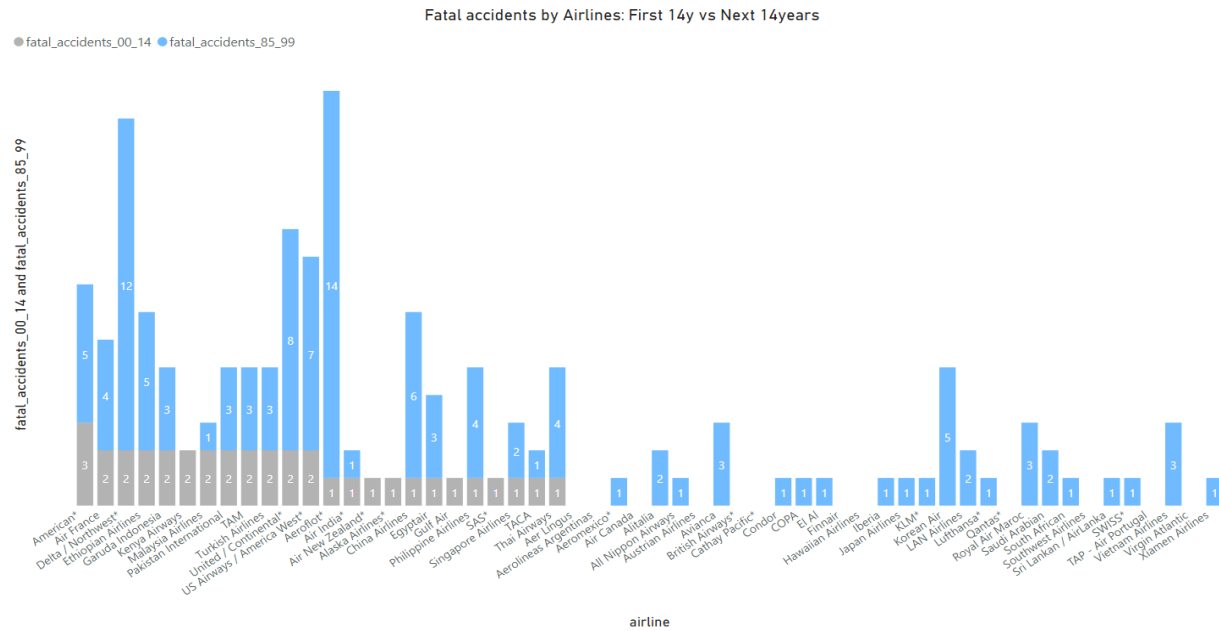
Visual 4.1

Infographic 5.0 is to show the relative fatalities compared to motor vehicles.



Visual 5.0

To support the infographic, below are data points, Airlines has no logical reason to ignore the safety of planes, as visual 5.1.0 clearly indicates operating revenue for the airlines remained at the same levels for the past two decades, while passenger volume has increased steadily. More passengers more revenue while keeping the operating revenue at a flat rate.



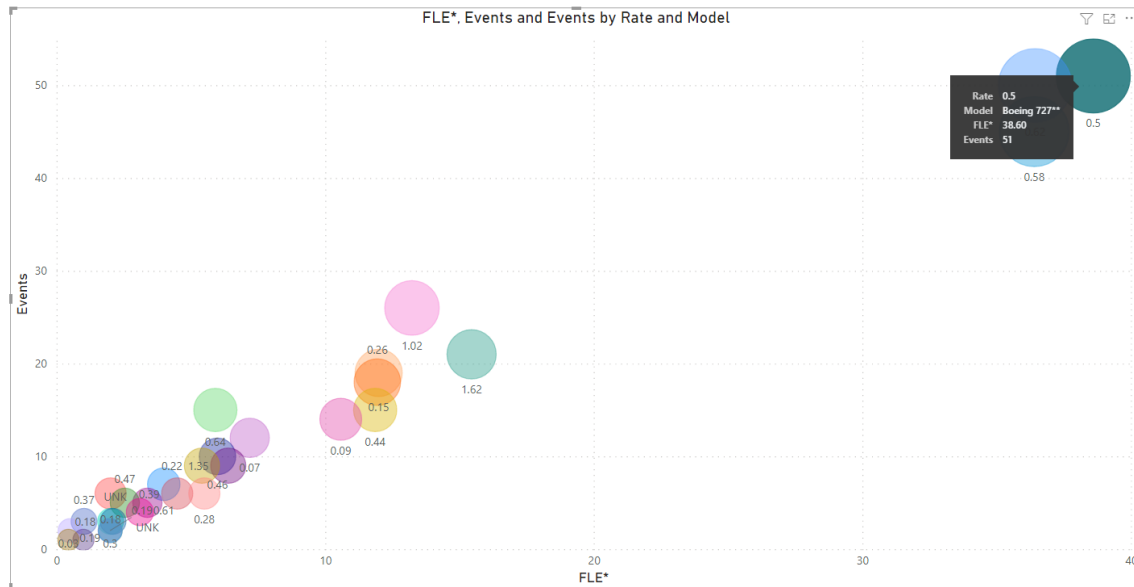
Visual 5.1

Infographic 6.0 is to show and void certain kind of aircrafts to reduce the fatalities, depicting the type of aircraft to avoid which are prone to more accidents



Visual 6.0

To support the infographic, data with visual 6.1 is that certain kind of plane models are causing the spike in fatal incidents. Given the data, Boeing 737 max family type aircraft types are involved in higher number of incidents followed by 727 family.



Visual 6.1

With Infographics & supporting visual, the intention is show that airplane travel is still the safest type of transportation, despite media depicting the picture otherwise.

This analysis and recommendations are based on the data from Aviation Safety Network, Bureau of transportation statistics & Airlines for America.

Sources:

- 1) [fars.nhtsa.dot.gov](https://www.fars.nhtsa.dot.gov)
- 2) <https://www.airlines.org/dataset/safety-record-of-u-s-air-carriers/#>
- 3) https://www.transtats.bts.gov/Data_Elements_Financial.aspx?Qn6n=J
- 4) http://www.airsafe.com/events/models/rate_mod.htm
- 5) {HYPERLINK " https://www.transtats.bts.gov/Data_Elements_Financial.aspx?Qn6n=J " }