### **Executive Summary**

## Airline Safety, Aviation Safety Network

By Soukhna Wade

DSC640

**Bellevue University** 



## Initial Airline Dataset:

1985-1999 and 2000-2014

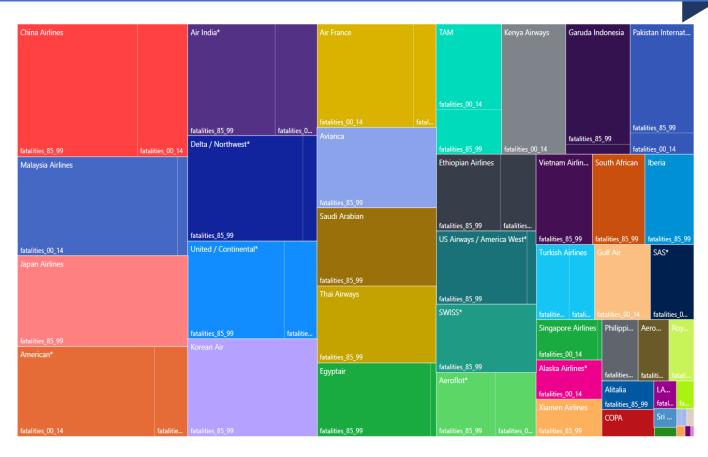
Airlines	1985-1999		2000-2014				
Airines	incidents	fatal_accident	fatalities	incidents		fatalities	
airline	85_99	s_85_99	85 99	_00_14	s_00_14	00 14	
China Airlines	12		535	_ 2	1		
Malaysia Airlines	3	1	34	3	2	537	
Japan Airlines	3	1	520	0	0	0	
American*	21	5	101	17	3	416	
Air India*	2	1	329	4	1	158	
Delta / Northwest*	24	12	407	24	2	51	
United / Continental*	19	8	319	14	2	109	
Korean Air	12	5	425	1	0	0	
Air France	14	4	79	6	2	337	
Avianca	5	3	323	0	0	0	
Saudi Arabian	7	2	313	11	0	0	
Thai Airways	8		308	2	1	1	
Egyptair	8		282	4	1	14	
TAM	8		98	7	2		
Kenya Airways	2		0	2	2		
Garuda Indonesia	10		260	4	2		
Pakistan International	8		234	10	2		
Ethiopian Airlines	25		167	5	2		
US Airways / America Wes			224	11	2		
SWISS*	2		229	3	0		
Aeroflot*	76		128	6	1	88	
Vietnam Airlines	7		171	1	0		
South African	2		159	1	0		
Turkish Airlines	8		64	8	2		
Iberia	4		148	5	0		
Gulf Air	1		0	3	1		
SAS*	5 2	0	0	6	1		
Singapore Airlines	5		6	2 5	1	83	
Alaska Airlines*			0	2	1		
Xiamen Airlines	9		82 74	2	0		
Philippine Airlines Aeromexico*	3		74 64	5	0		
Royal Air Maroc	5	3	51	3	0		
Alitalia	7		50	4	0	0	
COPA	3		47	0	0	0	
LAN Airlines	3		21	0	0		
Condor	2		16	0	0		
Sri Lankan / AirLanka	2		14	4	0	0	
Air New Zealand*	3		0	5	1		
TACA	3		3	1	1		
El Al	1		4	1	0		
KLM*	7	1	3	1	0		
Lufthansa*	6	1	2	3	0	0	
All Nippon Airways	3	1	1	7	0	0	
British Airways*	4	0	0	6	0	0	
Southwest Airlines	1	0	0	8	0	0	
Aerolineas Argentinas	6	0	0	1	0	0	
Qantas*	1	0	0	5	0	0	
Air Canada	2	0	0	2	0	0	
Aer Lingus	2	0	0	0	0	0	
Austrian Airlines	1	0	0	1	0	0	
Cathay Pacific*	0		0	2	0		
Finnair	1	0	0	0	0	0	
Hawaiian Airlines	0	0	0	1	0	0	
Virgin Atlantic	1	0	0	0	0	0	
TAP - Air Portugal	0	0	0	0	0	0	

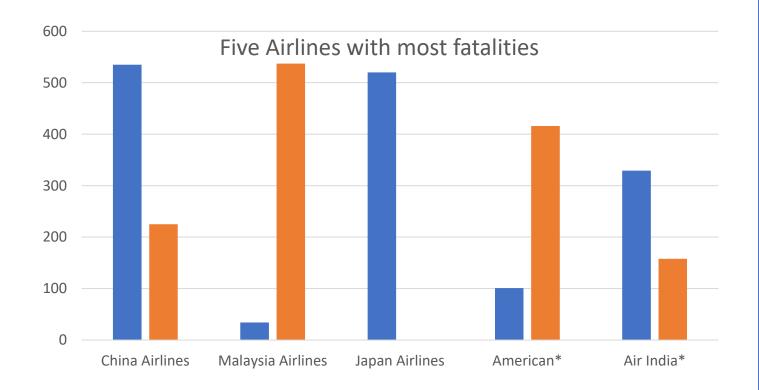
## Graph



#### Fatalities

The first five airlines with higher fatalities are China Airlines, Malaysia Airlines, Japan Airlines, America Airlines, and Air India.





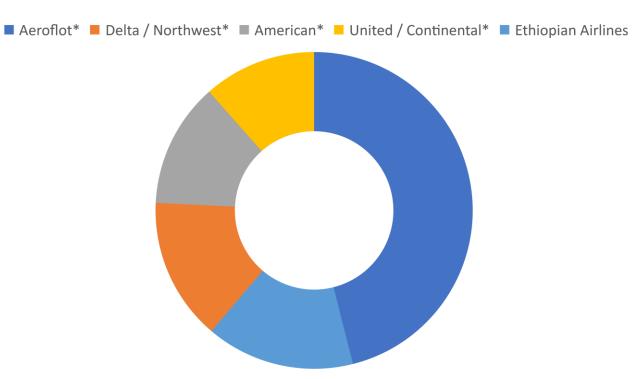
■ fatalities\_85\_99 ■ fatalities\_00\_14

Airlines	1985-1999			2000-2014			
airline	incidents_85_99	fatal_accidents_85_99	fatalities_85_99	incidents_00_14	fatal_accidents_00_14	fatalities_00_14	
China Airlines	17	2 6	5 53!	5 :	2	1 22	
Malaysia Airlines	3	3 1	34	4	3	2 53	
Japan Airlines	3	3 1	520	0 (	0	0	
American*	2:	1 5	10:	1 1	7	3 41	
Air India*	2	2 1	329	9	4	1 15	

## Fatalities

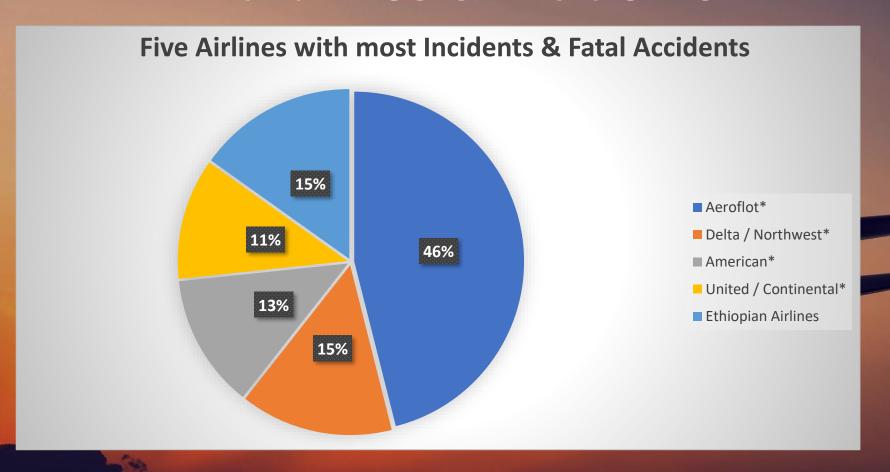
## Incidents & Fatal Accidents

#### Five Airlines with most Incidents & Fatal Accidents

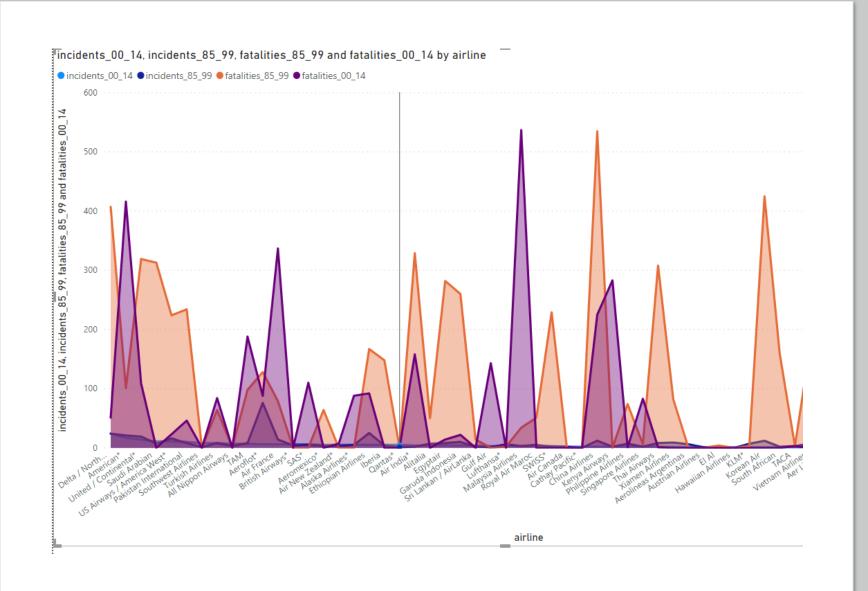


Airlines	incidents_85_99	fatal_accidents_85_ 99			fatal_accide nts_00_14	fatalities 00 14	
Aeroflot*	76	14	128	6	1		88
Delta /							
Northwest*	24	12	407	24	2		51
American*	21	5	101	17	3	4	116
United /							
Continental *	19	8	319	14	2	1	109
	19	0	319	14	2	1	.09
Ethiopian							
Airlines	25	5	167	5	2		92

## Fatalities & Incidents



# Incidents and Fatal Accidents From 1985 to 2014



## Airplane Safety

The safest airline is TAP-Air Portugal, TAP has one of the best safety records of any airline in the list with only one incidence between 1985 to 2014; follows by Virgin Atlantic, Hawaiian Airlines, Finnair.



