

Presentation by Shane Mwangi
Linkedin Profile: [Shane Mwangi](#)

AAA Aviation Business

Aviation Business

- Aviation business encompasses all commercial activities related to air travel, including airlines, airports, aircraft manufacturing, and related services.
- Types of Aviation Business include: Scheduled Airlines, Chartered Airlines, General Aviation and Business Aviation
- AAA's Main focus is on the Business Aviation sector which focuses on the use of private or corporate aircraft for business purposes, offering flexibility and convenience.

Aviation Business

- The General Revenue for the Business Aviation around the world is \$979 billion in 2025.
- AAA's main objective is to purchase an Aircraft that offers Lowest risk and a good return on investment
- Various chart Methods used to find out the which Aircraft is the lowest risk to AAA.

Aircraft Fatal Injuries

Aircraft Fatal injuries

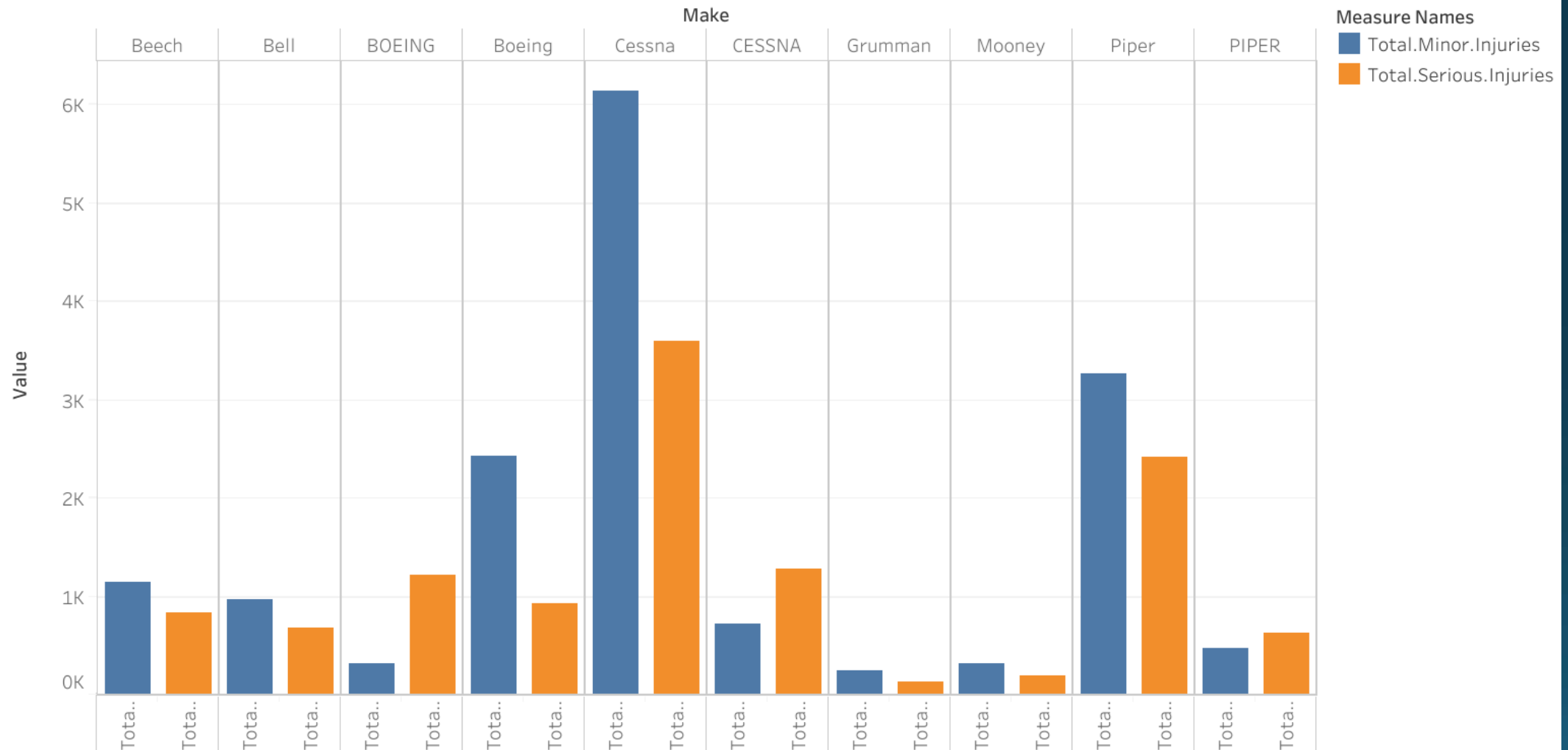
Make	Event.Date												
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Beech	0	0	0	2					14	55	22		0
Bell							3		6	16	7		
Boeing	0	0	0	0		0	0	0	0	10	0		
BOEING	251	81	280	61	536	7	66	4	302	157	179	63	138
Cessna	0	1	0	0		3	4	2	71	82	59	0	
CESSNA	159	186	141	151	143	143	146	165	95	58	63	122	147
Grumman								0	0	5	0		
Mooney	0	0							7	10	8		
Piper	0	3	0	9			0	2	49	83	47		
PIPER	105	95	123	104	109	108	105	76	57	41	47	61	71

Aircraft Fatal Injuries

- CESSNA has the most Fatal crashes over the course of the period between 2010 and 2022
- While Mooney has the least fatal crashes over the course of the period between 2010 and 2022

Serious and Minor Injuries of Make's

Serious Injuries and Minor Injuries of the Top 10 Aircraft's Make

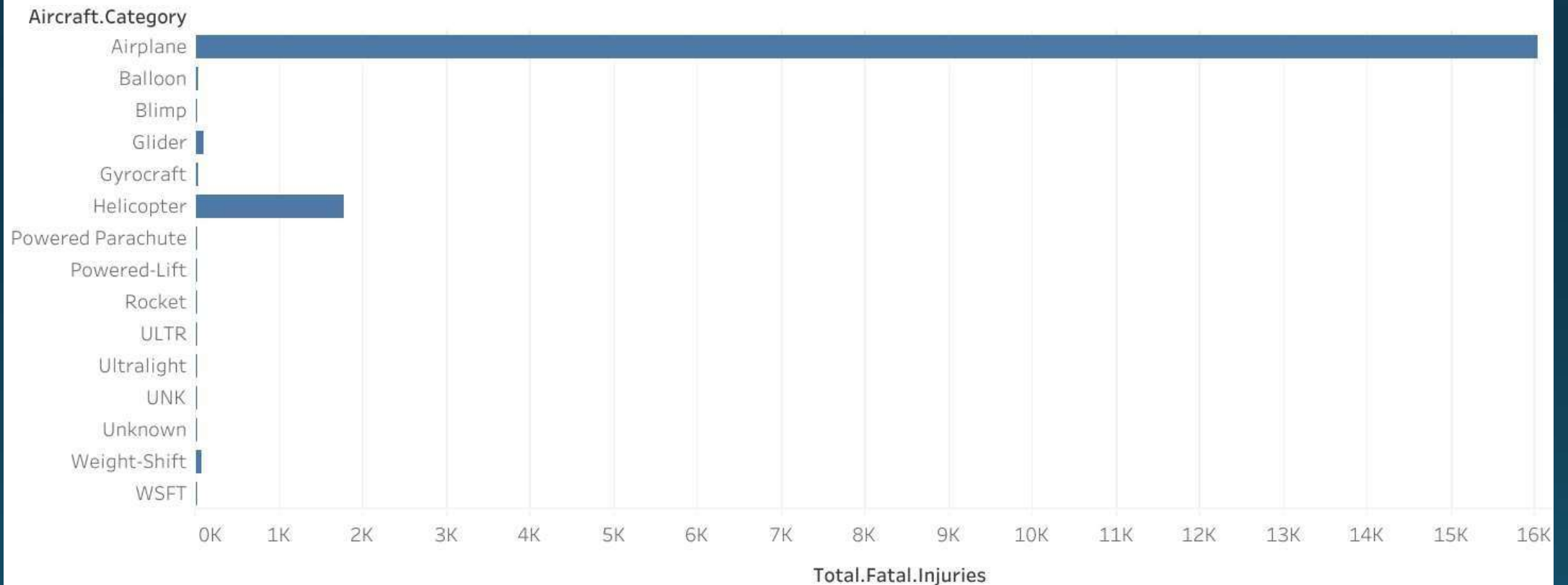


Serious and Minor Injuries of Make's

- Cessna has the most minor and serious injury tallies.
- Grumman has the least minor and serious injury tallies.

Aircraft Fatal Injuries

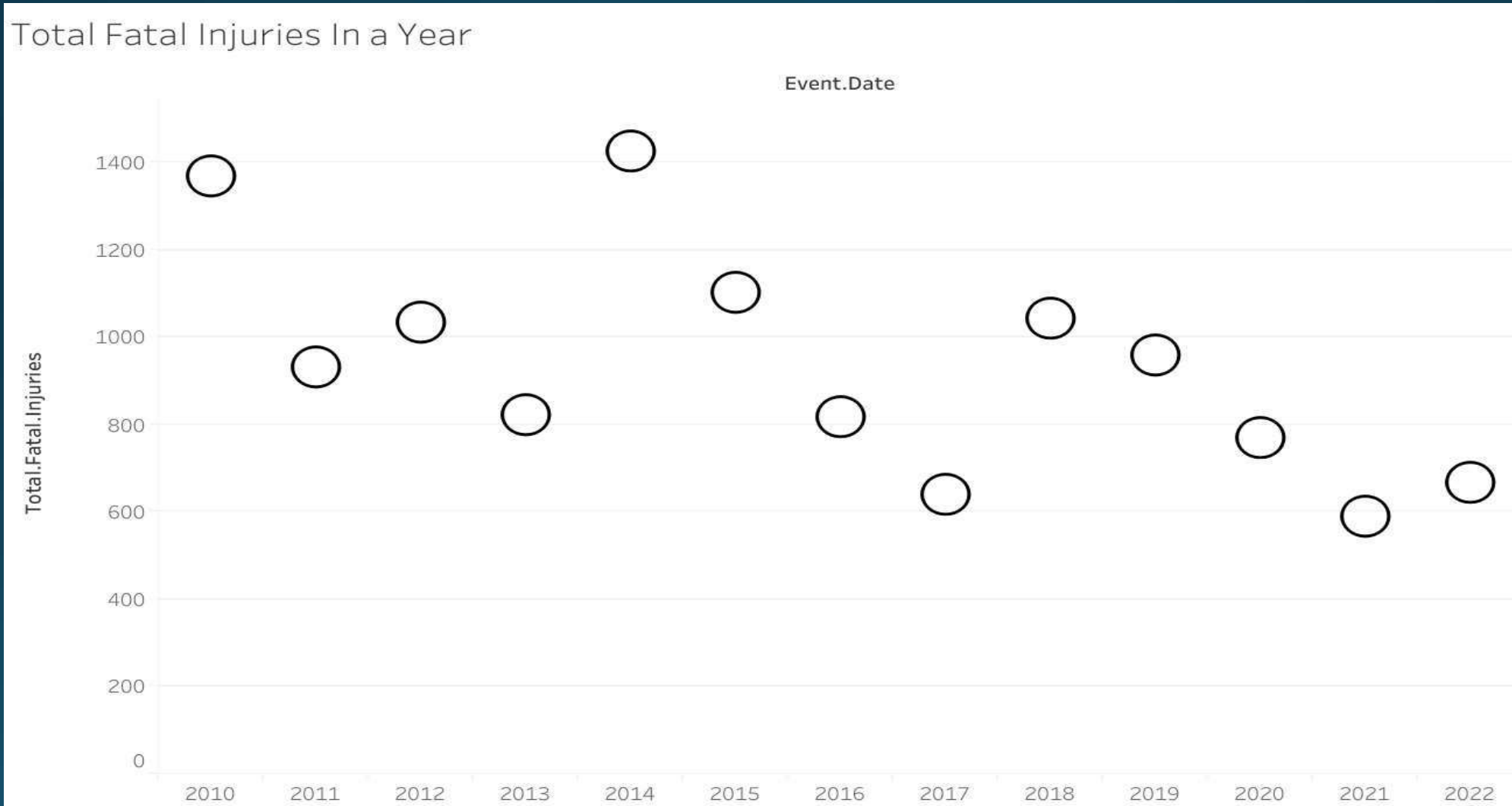
Aircraft Total Fatal Injuries



Aircraft Fatal Injuries

- In this horizontal bar chart Airplane's have the most Fatal injuries with over 16k.
- Helicopter , Glider and weight shift follow in terms of fatal injuries respectively.

Total Fatal Injuries in a Year



Total Fatal Injuries in a Year

- The number of total fatal injuries in a year has reduced as shown in the chart.
- In 2021 and 2022, the Fatal Injuries seen in the Aviation industry in the USA has shown that this is a lucrative business for AAA.

Conclusion

- Based on all the data, the best aircraft for the business is Mooney.
- This is because:
 1. It has the Least Fatal Injuries which shows a level of stability.
 2. In terms of Minor and Serious Injuries it is one of the Low risk Aircrafts
 3. In terms of commercial and private enterprise the Mooney is the most sensible due to it being an Airplane.

THANK YOU