

The background is a dark blue gradient with abstract, flowing, curved lines that create a sense of motion and depth. On the right side, there is a bright, glowing blue area with a fine grid pattern, resembling a digital or technological interface. The overall aesthetic is modern and high-tech.

**OPERATING AIRPLANES FOR
COMMERCIAL AND PRIVATE
ENTERPRISE.**

Objectives.

- Risks of aircrafts.
- Determine which aircrafts are the lowest risk for the company to start with.

Introduction

Airplanes can cover long distances in a matter of hours enabling businesses to deliver goods quickly.

However, as an industry it is faced by several risks and problems such as:

- Accidents
- Geo-political instability
- Weather condition
- Jet fuel prices
- The corona return
- A forever changing travel business etc.

Here we are going to analyse aviation data beginning from the year 1948, showing the number of accidents over the years and in relation to other factors.

From our data we have the following models of aircrafts and their counts.

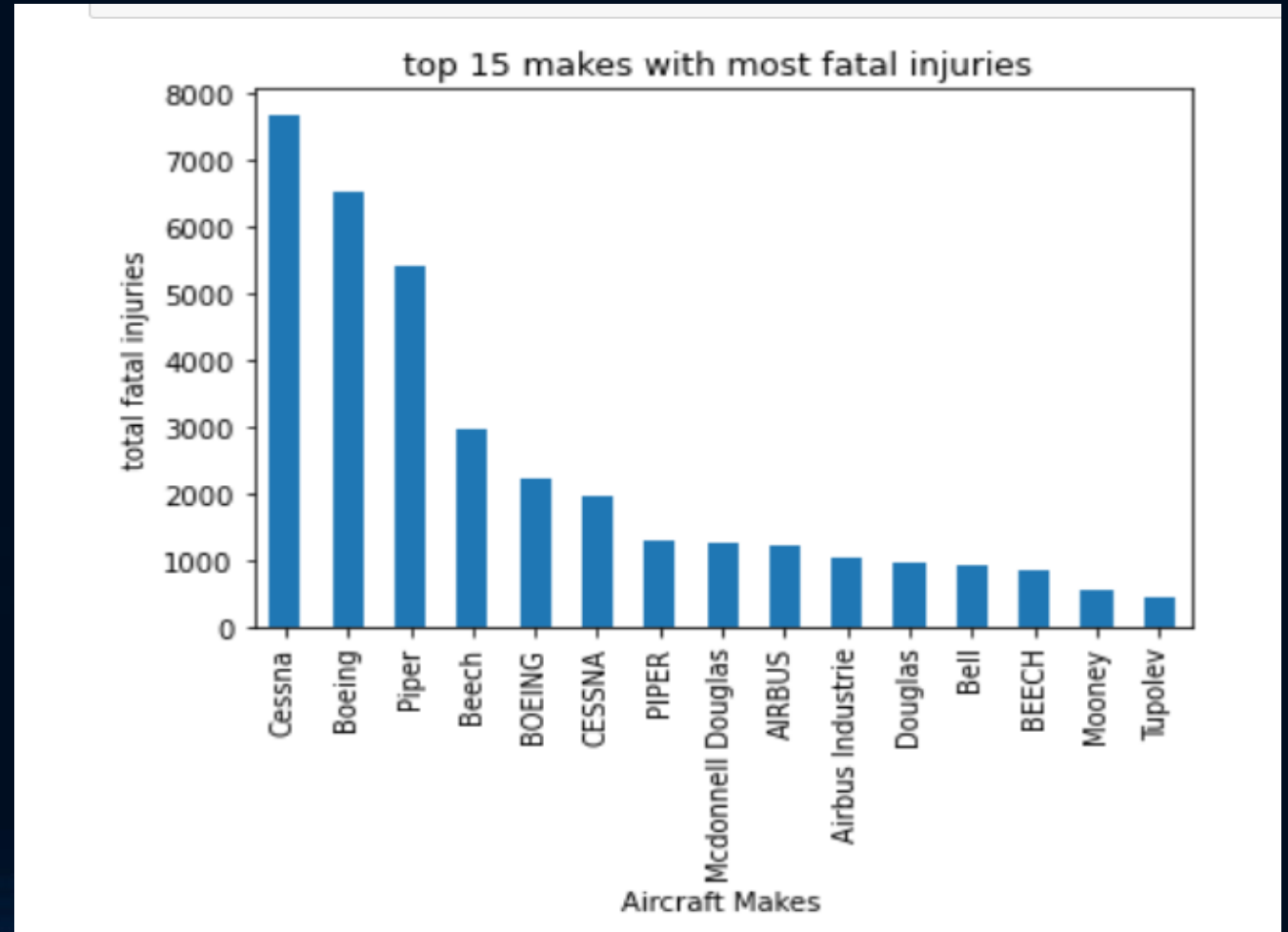
MODEL	COUNTS
152	2367
172	1756
172N	1164
PA-28-140	932
150	829
767-316	1
GLASSAIR SH2	1
SK-76	1
YAK 52TW	1
206-4T	1

The Make and their counts.

MAKE	COUNT
Cessna	22227
Piper	12029
CESSNA	4922
Beech	4330
PIPER	2841
Shindler	1
Stanek	1
BESARICK	1
Sheats	1
Rockwell Comdr	1

Top 15 Makes With Most Fatal Injuries

From this visualization, it would be best to work with the last four makes that is Bell, BEECH, Mooney and Tupolev.

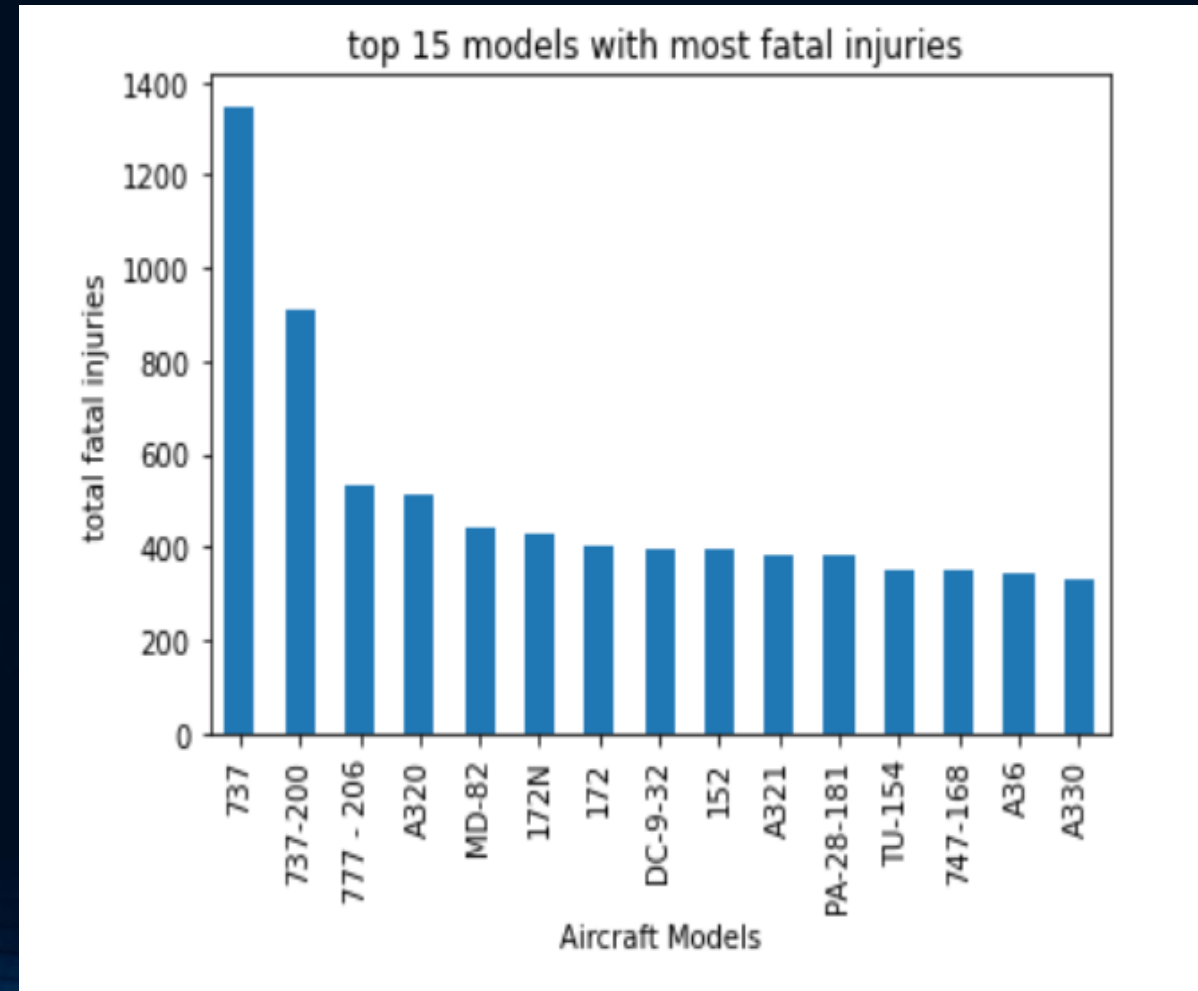


Top 15 Models With Most Fatal Injuries

For the aircraft model :

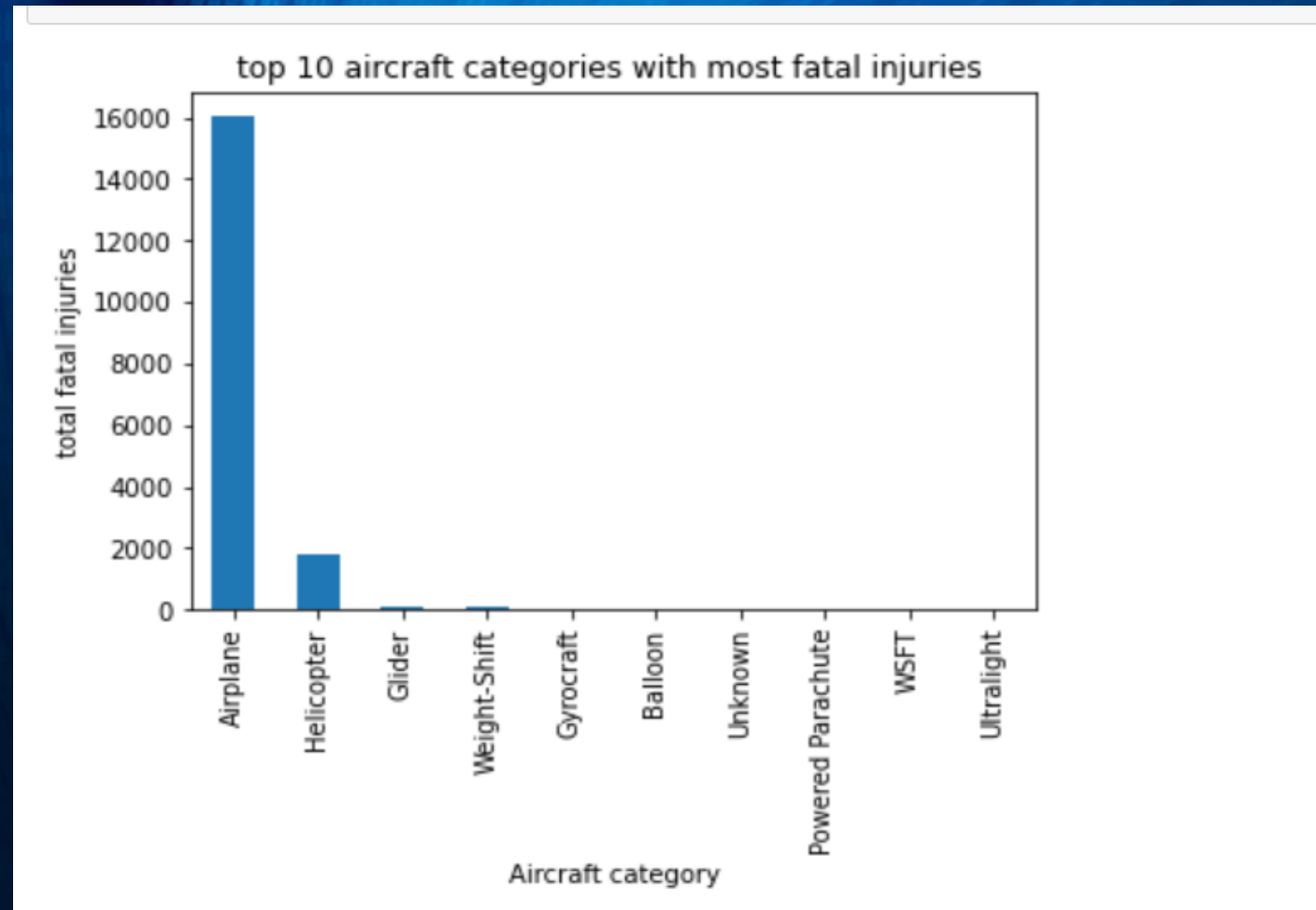
- A321
- PA-28-181
- TU-154
- 747-168
- A36
- A330

These are the best with minimal fatal injuries.



Top 10 Aircraft Categories With Most Fatal Injuries.

- Airplane leads with the greatest number of fatal injuries.
- Helicopters come in second place followed by Gliders.
- The other aircrafts have the least fatal injuries and would make the best choices.



Recommendations

1. For the aircraft make the best choice would be :BEECH, Mooney or Tupolev.
2. For the aircraft models the best choice would be : 747-168, A36, and A330.
3. For the aircraft category you can choose either the WSFT or the Ultralight.