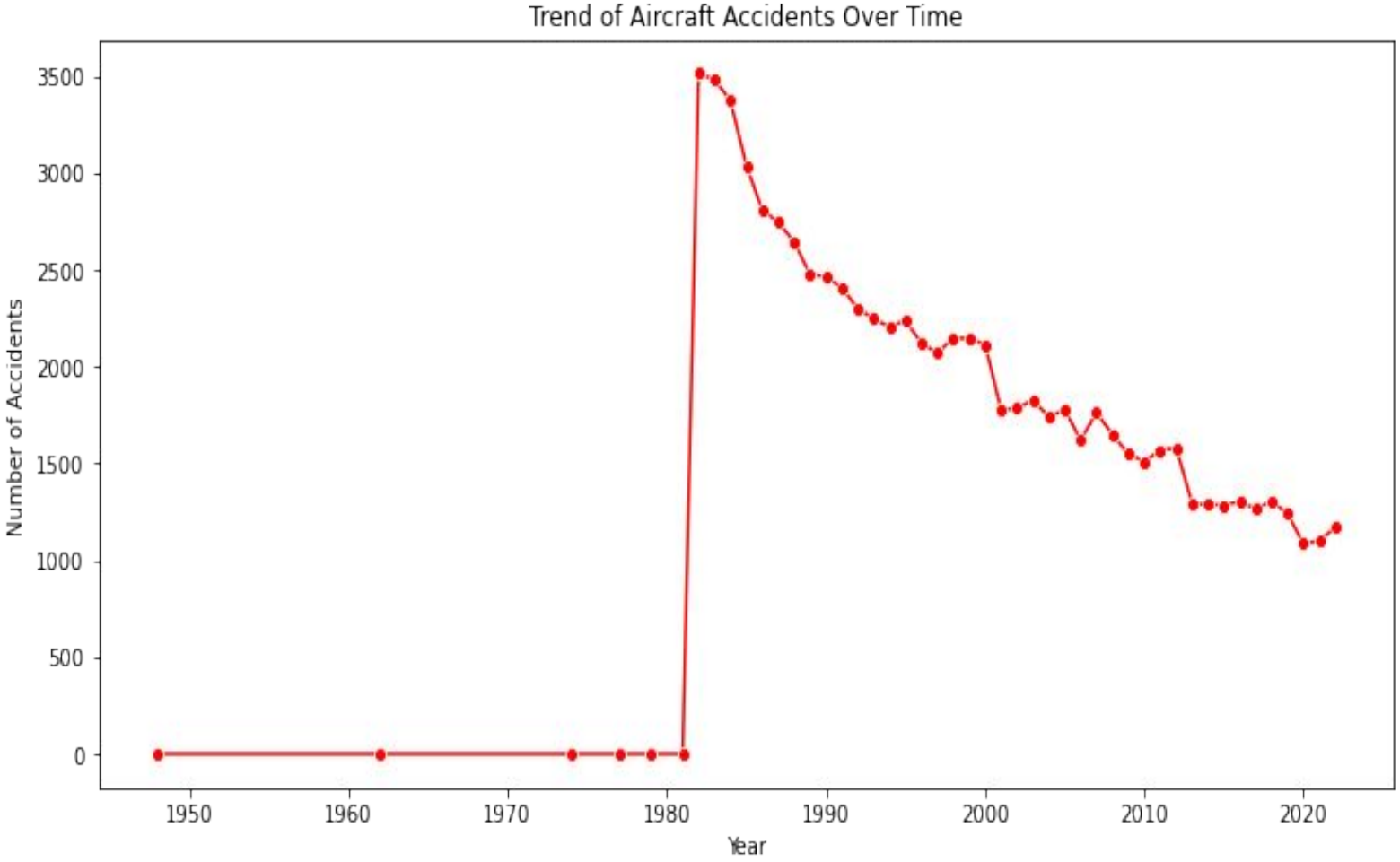
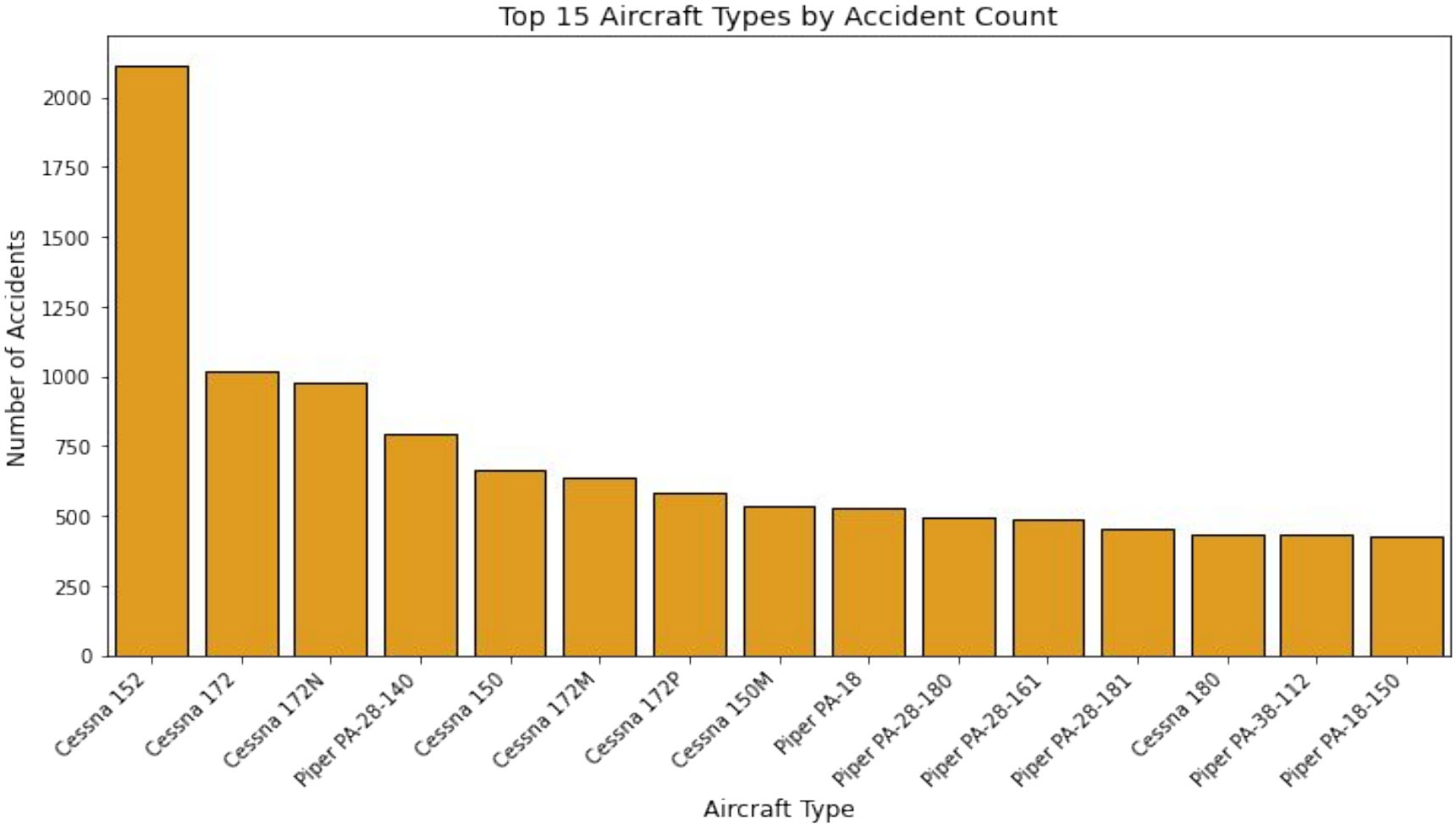
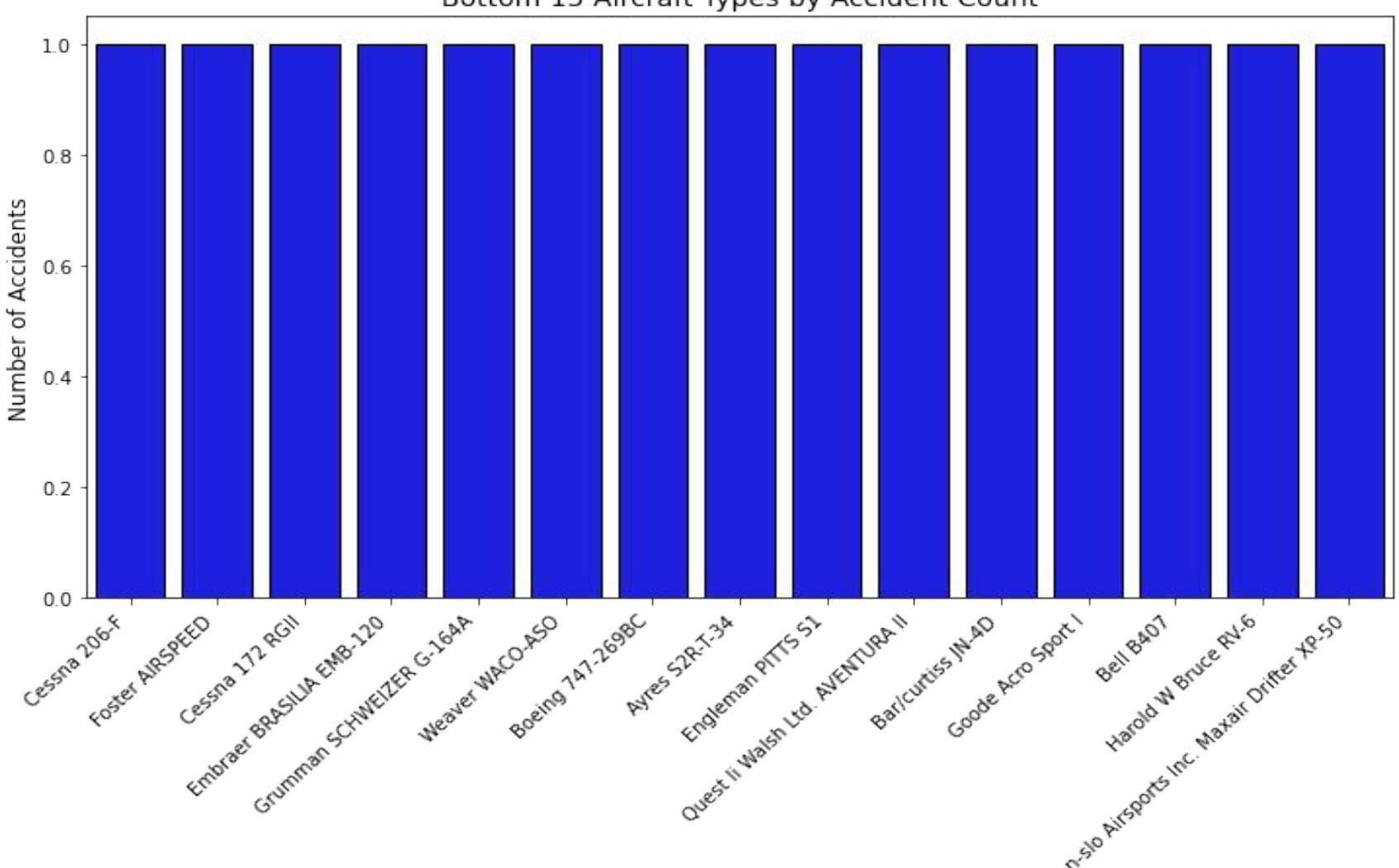
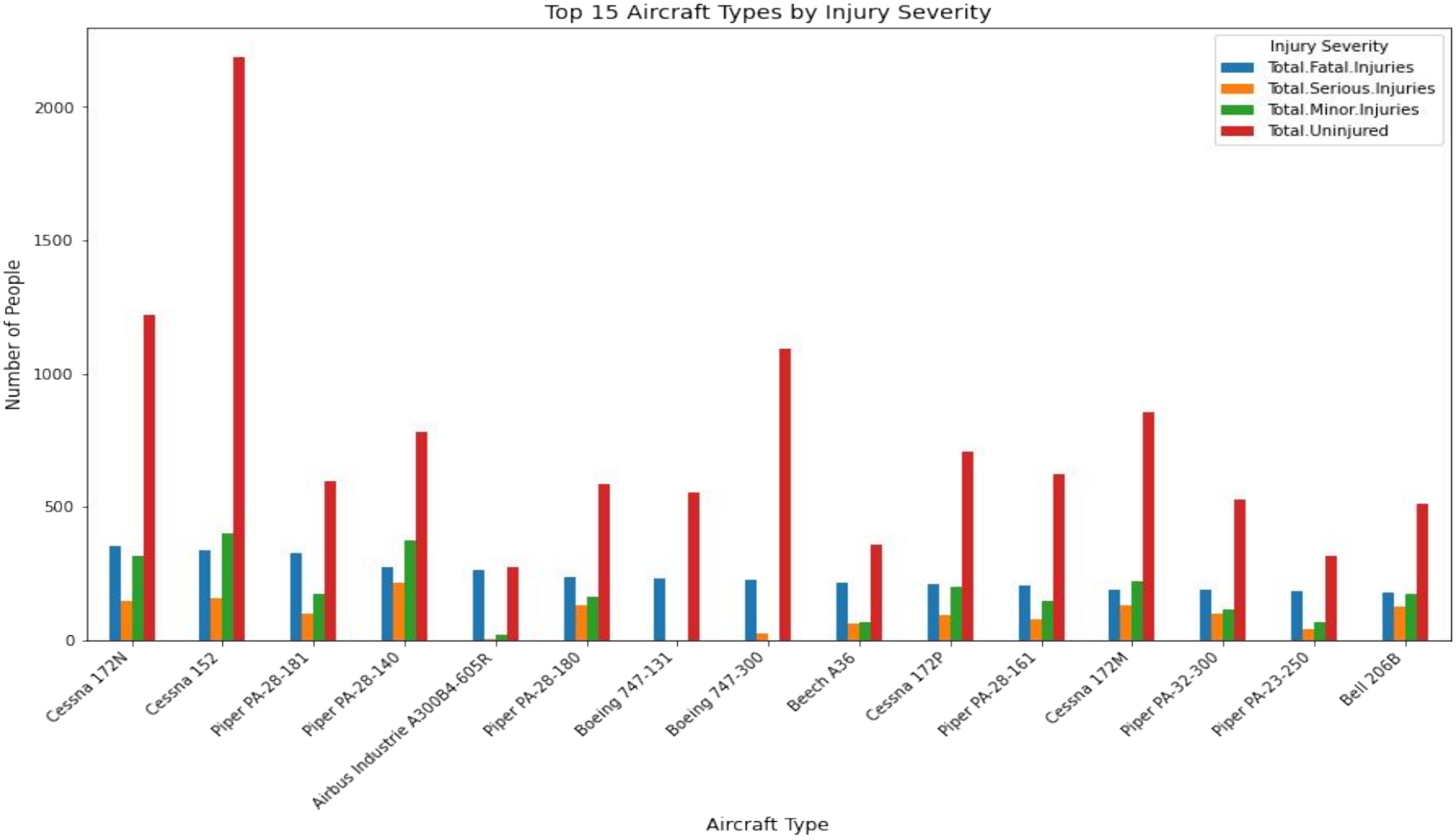
NON-TECHNICAL PRESENTATION

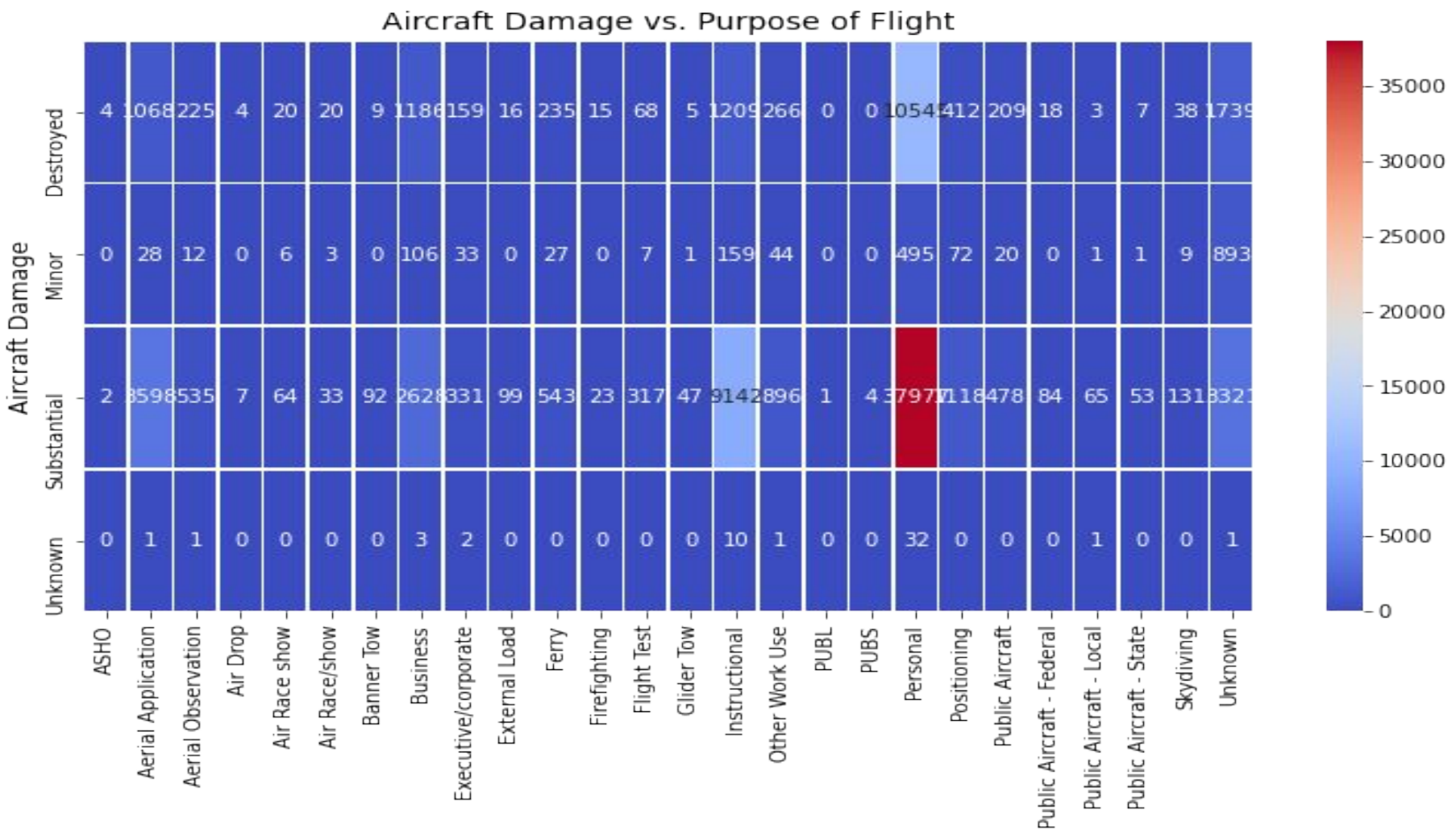
Kemboi Bett
Full time Remote
Phase one Project

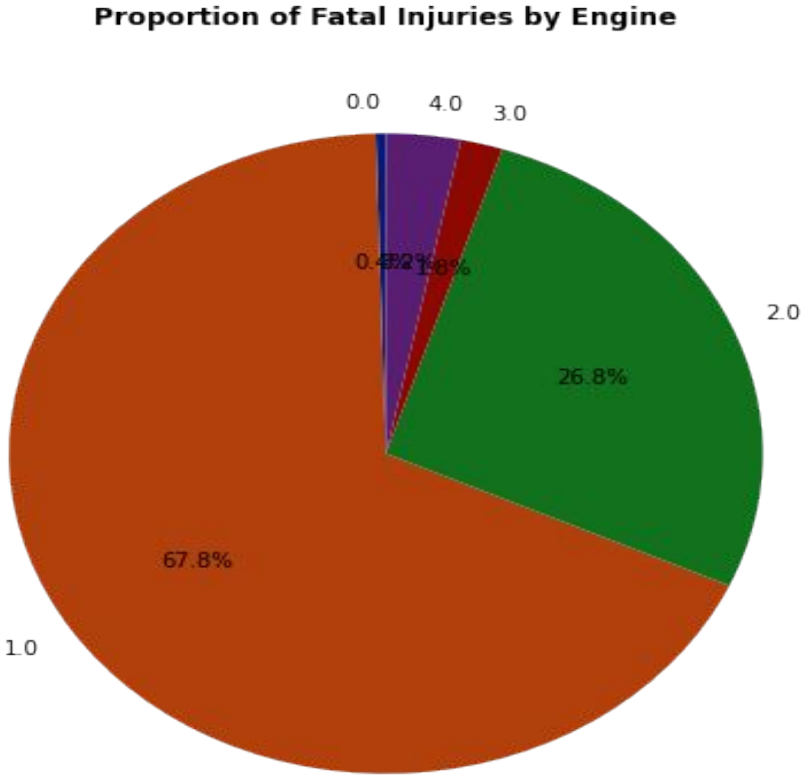

Trend of Aircraft Accidents Over Time
Number of Accidents
Year
0
500
1000
1500
2000
2500
3000
3500
1950
1960
1970
1980
1990
2000
2010
2020


Top 15 Aircraft Types by Accident Count
Number of Accidents
0
250
500
750
1000
1250
1500
1750
2000
Cessna 152
Cessna 172
Cessna 172N
Piper PA-28-140
Cessna 150
Cessna 172M
Cessna 172P
Cessna 150M
Piper PA-18
Piper PA-28-180
Piper PA-28-161
Piper PA-28-181
Cessna 180
Piper PA-38-112
Piper PA-18-150
Aircraft Type


Bottom 15 Aircraft Types by Accident Count
Number of Accidents
1.0
0.8
0.6
0.4
0.2
0.0
Cessna 206-F
Foster AIRSPEED
Cessna 172 RGII
Embraer BRASILIA EMB-120
Grumman SCHWEIZER G-164A
Weaver WACO-ASO
Boeing 747-269BC
Ayres S2R-T-34
Engleman PITTS S1
Quest li Walsh Ltd. AVENTURA II
Bar/curtiss JN-4D
Goode Acro Sport I
Bell B407
Harold W Bruce RV-6
Airsports Inc. Maxair Drifter XP-50


Top 15 Aircraft Types by Injury Severity
Injury Severity
Total.Fatal.Injuries
Total.Serious.Injuries
Total.Minor.Injuries
Total.Uninjured
Number of People
0
500
1000
1500
2000
Cessna 172N
Cessna 152
Piper PA-28-181
Piper PA-28-140
Airbus Industrie A300B4-605R
Piper PA-28-180
Boeing 747-131
Boeing 747-300
Beech A36
Cessna 172P
Piper PA-28-161
Cessna 172M
Piper PA-32-300
Piper PA-23-250
Bell 206B
Aircraft Type


Aircraft Damage vs. Purpose of Flight
Aircraft Damage
Destroyed
Minor
Substantial
Unknown
4 1068 225 4 20 20 9 1186 159 16 235 15 68 5 1209 266 0 0 10545 412 209 18 3 7 38 1739
0 28 12 0 6 3 0 106 33 0 27 0 7 1 159 44 0 0 495 72 20 0 1 1 9 893
2 3598 535 7 64 33 92 2628 331 99 543 23 317 47 9142 896 1 4 37977 1118 478 84 65 53 131 3321
0 1 1 0 0 0 0 3 2 0 0 0 0 0 10 1 0 0 32 0 0 0 1 0 0 1
ASHO
Aerial Application
Aerial Observation
Air Drop
Air Race show
Air Race/show
Banner Tow
Business
Executive/corporate
External Load
Ferry
Firefighting
Flight Test
Glider Tow
Instructional
Other Work Use
PUBL
PUBS
Personal
Positioning
Public Aircraft
Public Aircraft - Federal
Public Aircraft - Local
Public Aircraft - State
Skydiving
Unknown
35000
30000
25000
20000
15000
10000
5000
0



Aircrafts with one, two, three and four engines accounted for 67.8%, 26.8%, 1.8% and 4.6% of total fatal accidents throughout aviation history respectively. Given the data it is safe to conclude that aircrafts with a higher number of engines are less likely to cause fatal accidents.

Conclusion

After reviewing the information from the slides we can draw the following conclusions.

The aviation industry is improving dynamically every year therefore investing in it is recommended however, consideration should be taken into account before purchasing aircrafts. Planes makes such as “Weaver” and “Boeing” are advisable for purchase along with others that have the lowest track record for accidents.These models are commonly used to ferry goods and people in public and federal domain where numerous enforced regulations reduce instances of accidents and reduces damages during emergency situations protecting your investment. Furthermore these aircrafts have two or more engines improving their safety in the skies.

In conclusion the models used for Public, Federal or Ferry purposes that have more than one engine and register a fairly good track record for Accidents, Damages and Injury levels are good for purchase.