

NON-TECHNICAL PRESENTATION

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Full time Remote

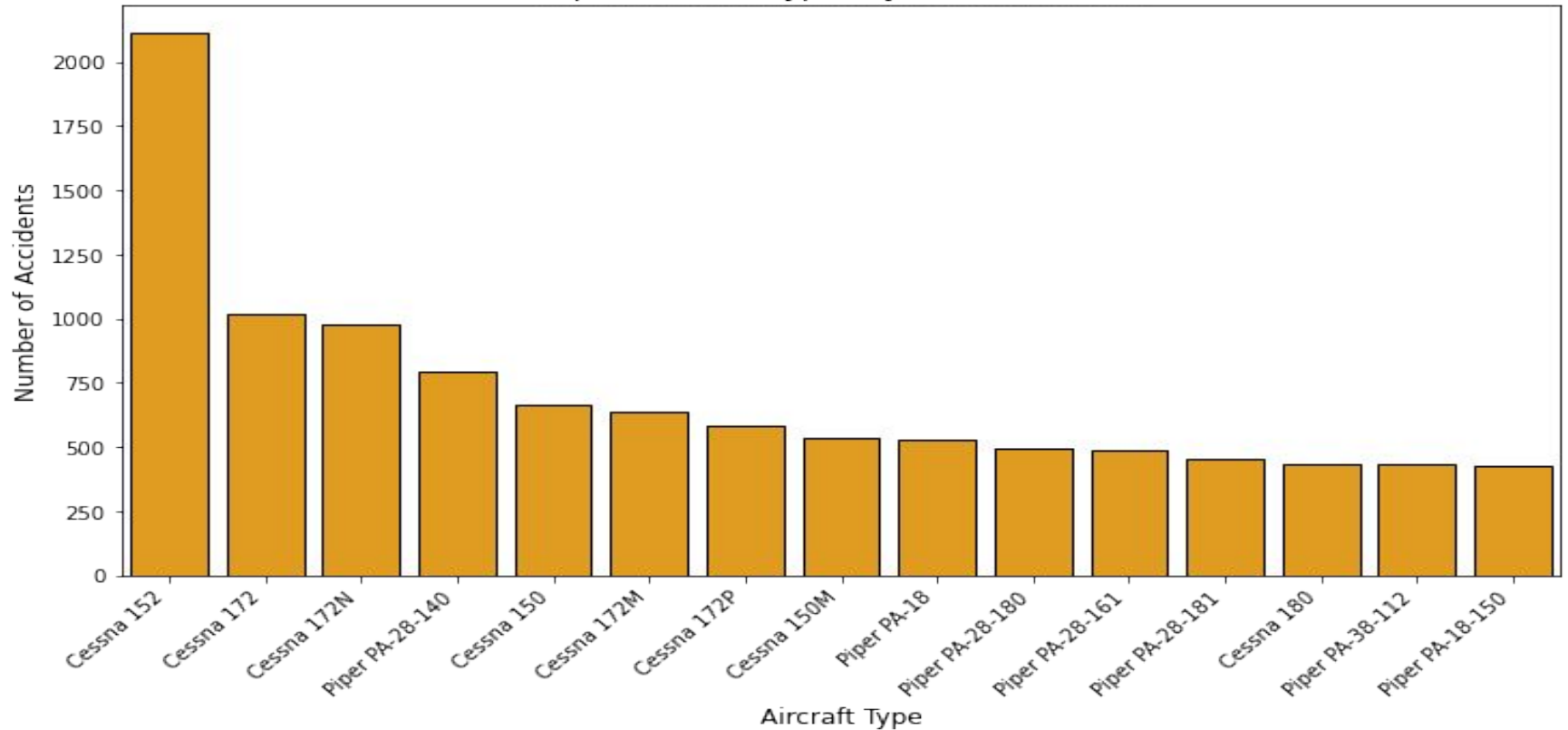
Phase one Project

A dark blue diagonal gradient bar that starts from the bottom left corner and extends towards the top right corner, covering the lower half of the slide.



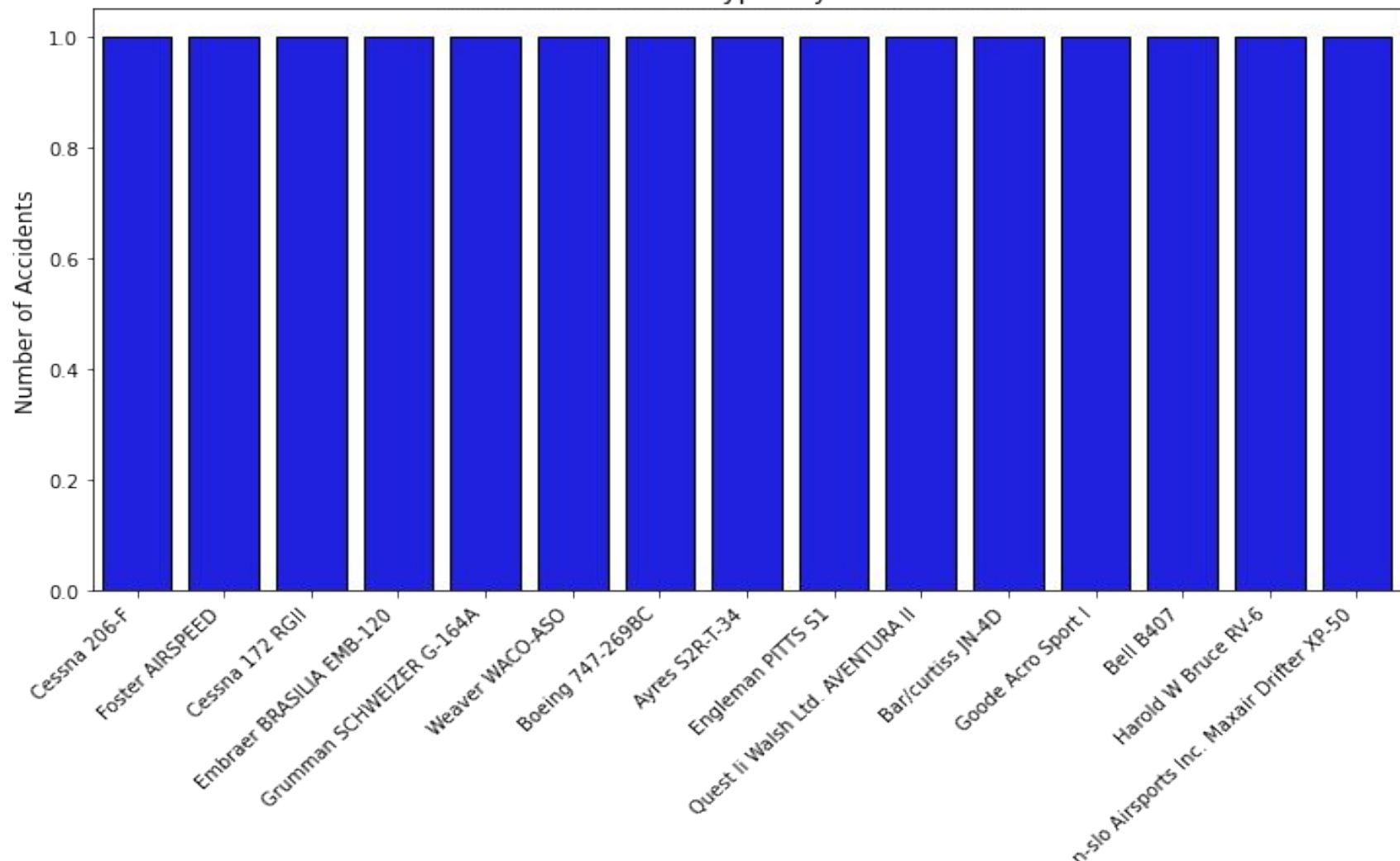
Aviation history is a progressive one as illustrated. In the 1980's the number of aircraft accidents was high at approximately 3500 and since then it has been declining steadily to about 1200 in the year 2023. This can be attributed to improved technology and better policies on aircraft safety. Given the trend we can foresee a pattern and therefore recommend that the aviation industry is a viable one to invest in.

Top 15 Aircraft Types by Accident Count

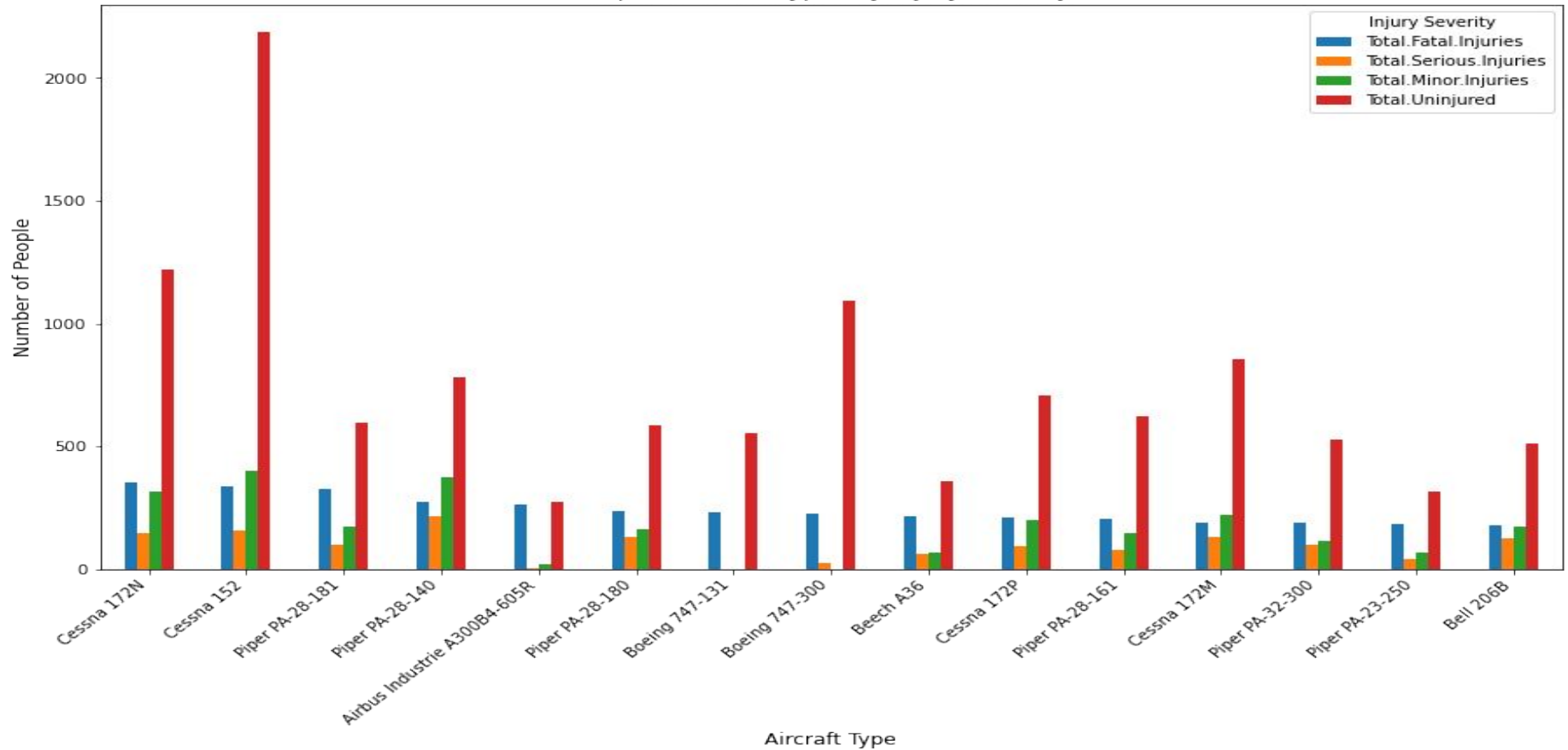


Certain aircraft models consistently demonstrate **high accident rates**, making them a danger to life and investment. It is important to note aircrafts like the “Cesna” and “Piper” which record high number of accidents are a risky venture

Bottom 15 Aircraft Types by Accident Count

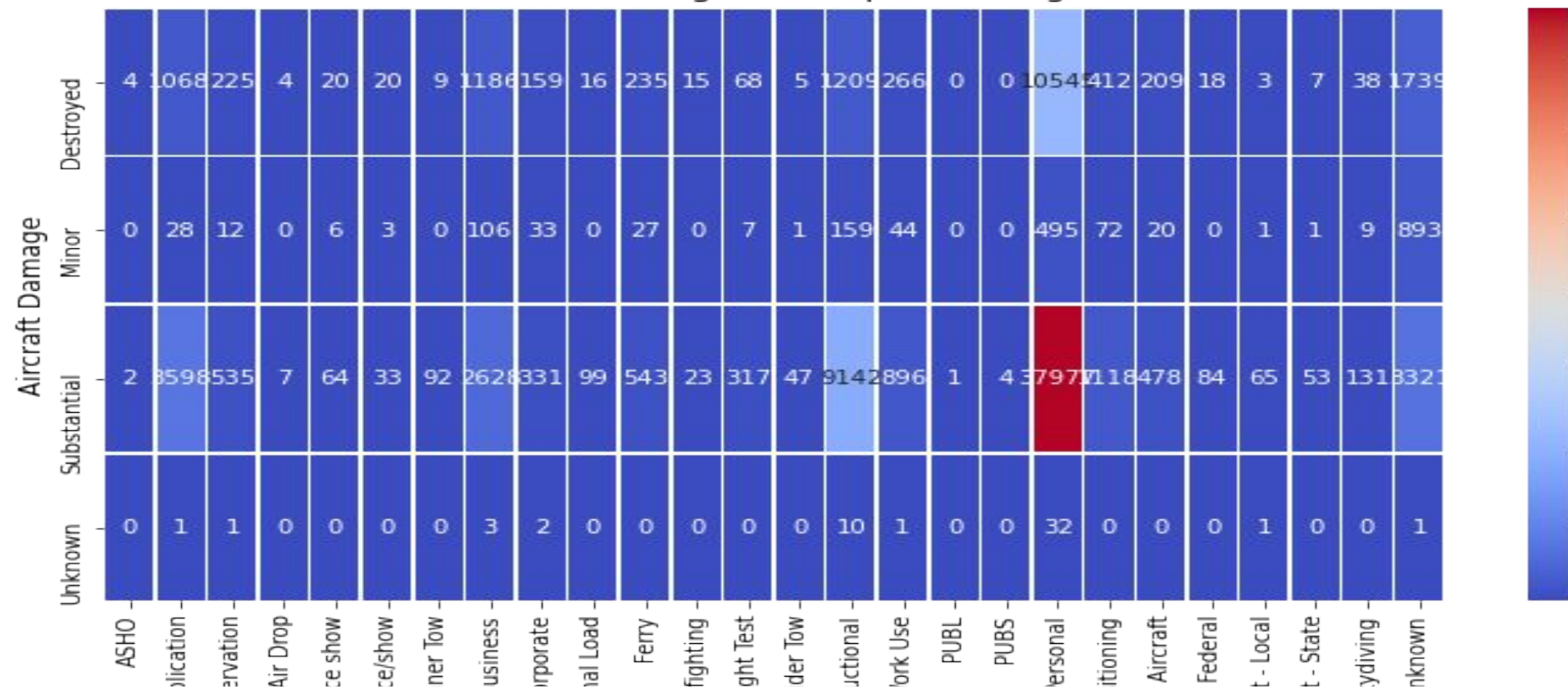


Top 15 Aircraft Types by Injury Severity



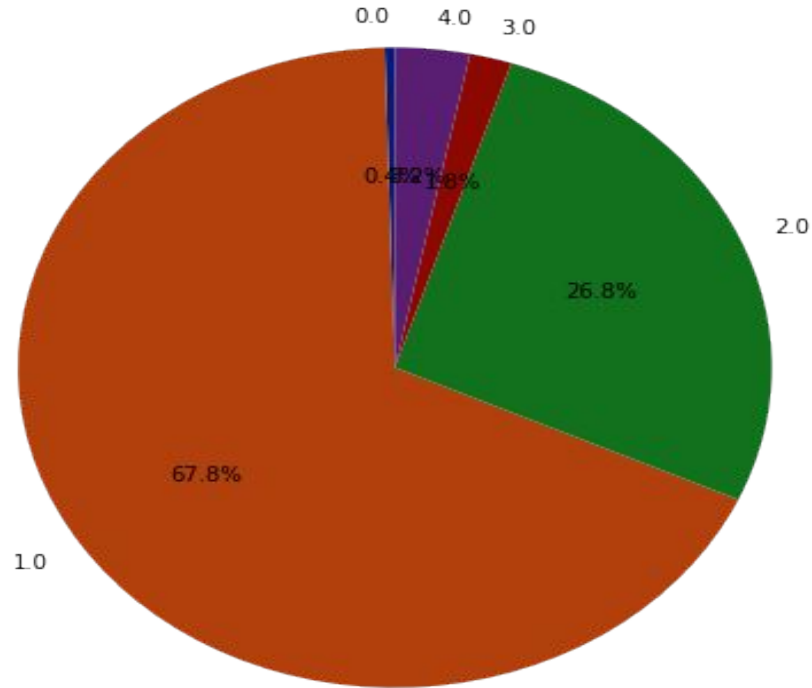
The bar chart shows that Although accidents may occur, the severeness of injuries may vary depending on the various factors but also the aircraft models come in play. The Boeing 747-300 has a relatively lower count for fatalities and serious injuries which makes it a fairly good choice for an aircraft for purchase.

Aircraft Damage vs. Purpose of Flight



From the image above personal airplanes register high degree of damage during an accident, whereas Business planes, Public aircrafts, Ferry and Cooperative planes incurred less damage

Proportion of Fatal Injuries by Engine



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.