



Aircraft Business Risk Assessment

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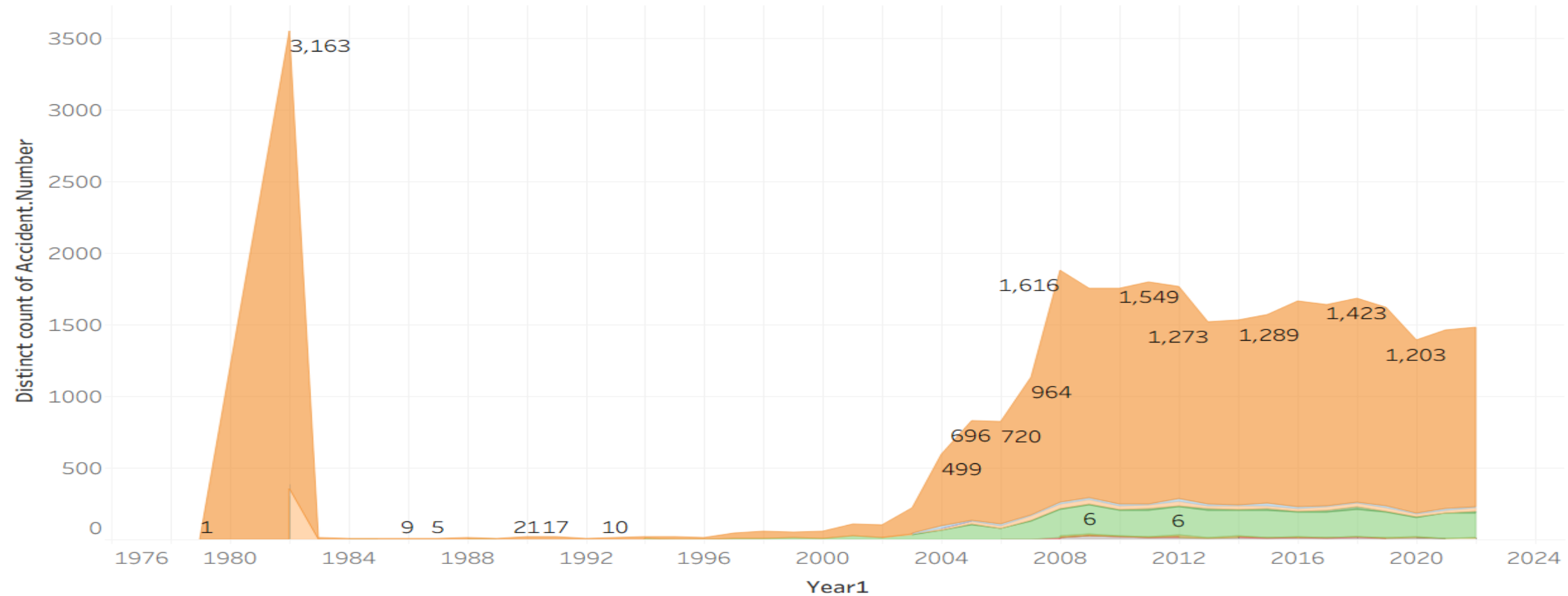
Introduction

As our company expands into the aviation industry, we face a critical decision:

1. Safest aircraft (fewest fatal accidents)
2. Most common purpose of flight during accidents
3. Countries with highest number of accidents

The number of accidents seems to become steady with Airplanes being having the number of accidents over the years

Number of Accidents by Year



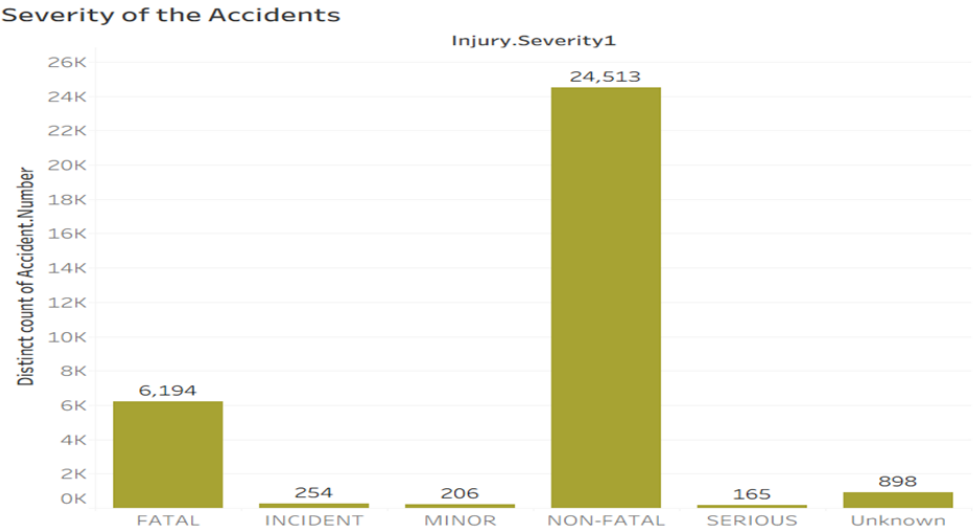
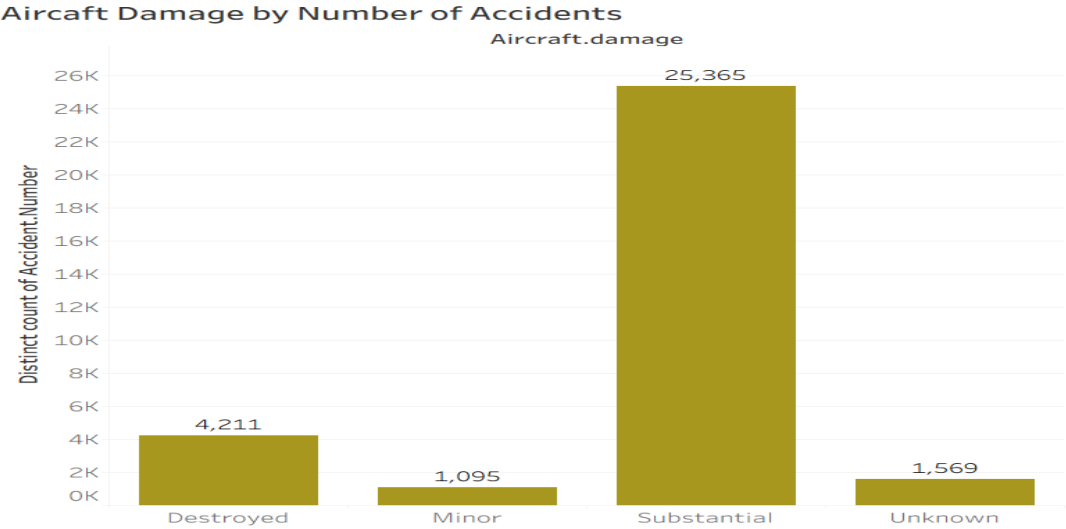
The graph below indicates in Europe is notable for its high concentration of large circles, which could imply the presence of older fleets in use or more severe environmental conditions.

It will be crucial to exercise extra caution and invest in safety measures.

Accident distribution by Location



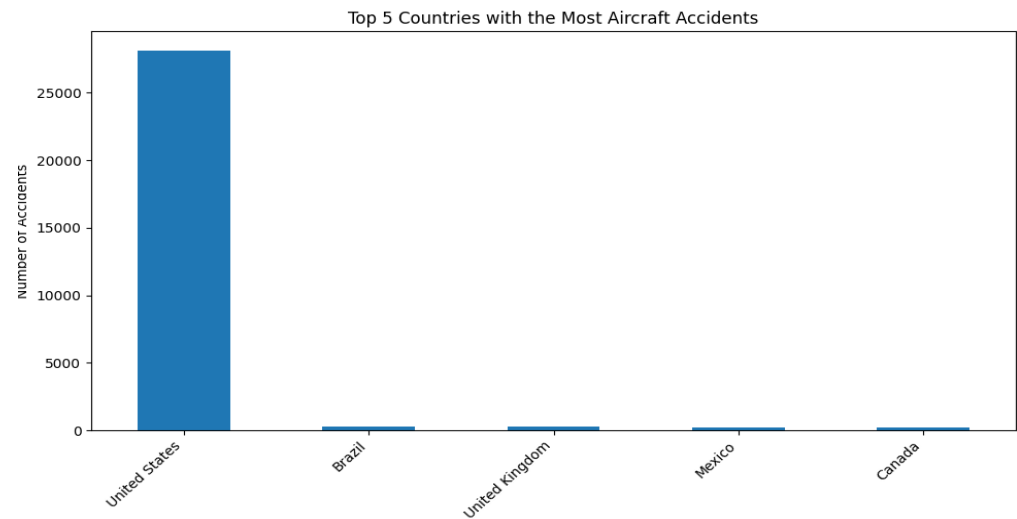
We can deduce that most of the accidents were non-fatal to the passengers even though the aircrafts sustained server damage



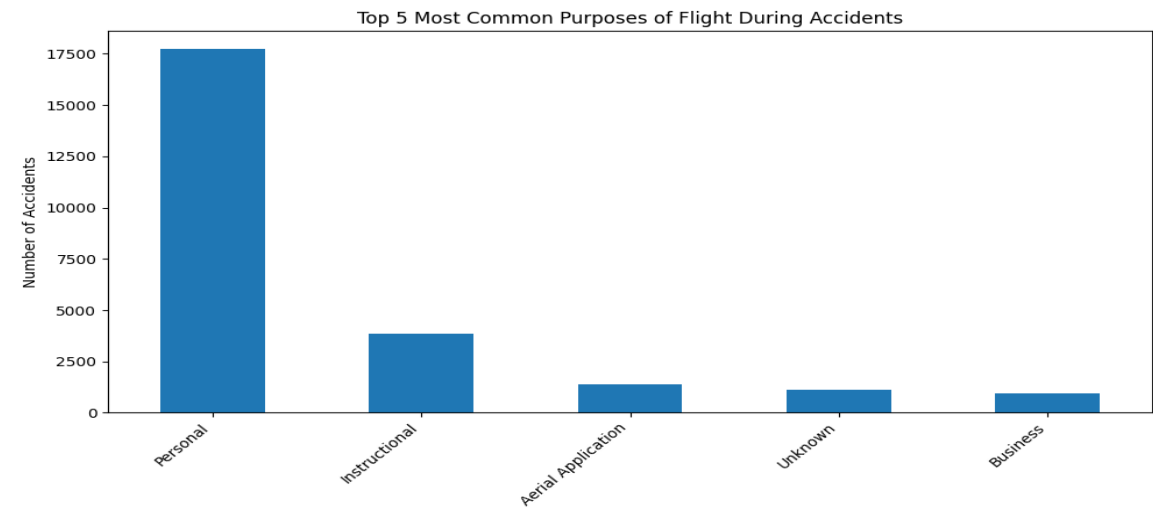
Findings

Over 32,000 Aviation accidents

Countries with highest number of accidents



Most common purpose of flight during accidents



Safest aircraft (fewest fatal accidents)

Top 5 Aircraft with 0 Fatal Injuries:

	Make	Model	Total.Fatal.Injuries
5540	HUGHES HELICOPTERS INC	369	0.0
5556	Hagerty	Glasair Super IIS-TD	0.0
5558	Hahn	R-W22 Tiger Moth Rep	0.0
5559	Haines	Searey	0.0
5560	Halbrook	Rans S-6S	0.0

Recommendations

- Prioritize aircraft models with **consistently low injury rates**
- Avoid models with **historically high fatality records** or frequent destruction.
- Focus on **commercial-grade aircraft** with strong safety performance in variable weather and operational conditions.
- **Avoid regions** with consistently **high accident rates** for initial fleet operations.