

OBJECTIVES

To diversify the business' portfolio by expanding into the commercial and private use airplane industry



INTRODUCTION: DATA



Data gathered by National

Transportation Safety

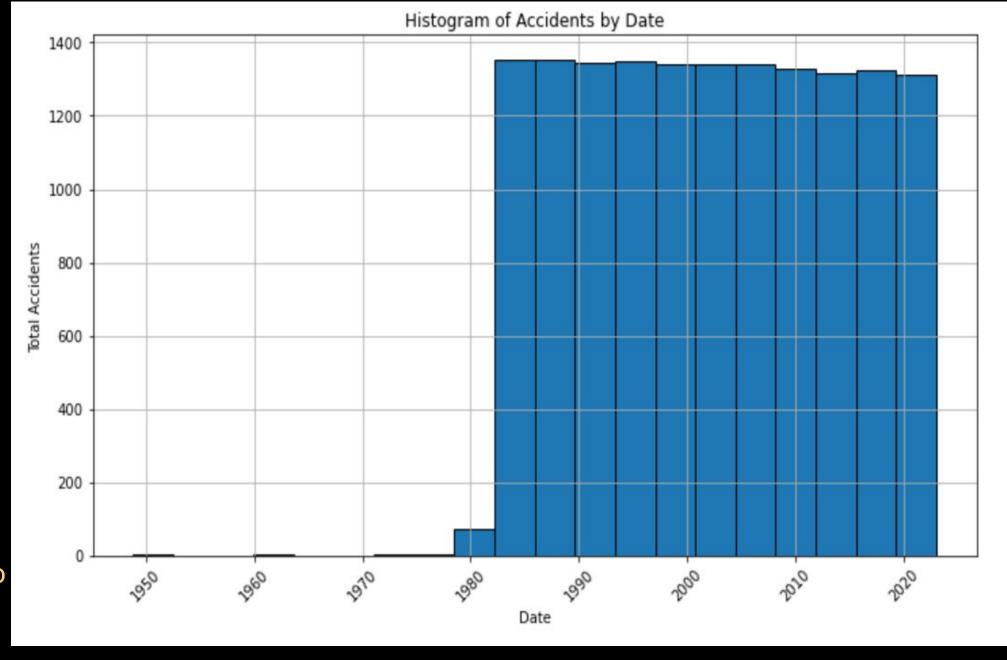
Board taken from

Kaggle.com

"Aviation Accident

Database & Synopses, up to

2023,"

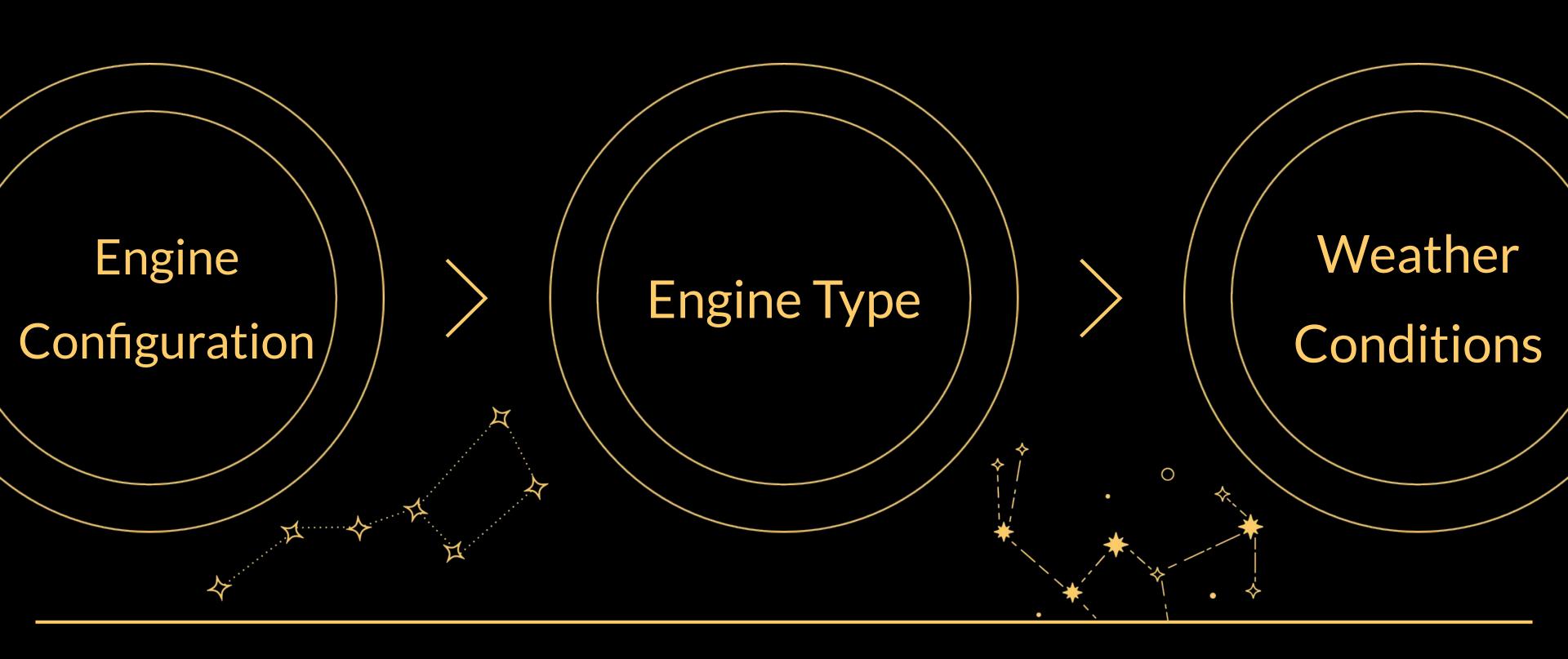




Includes aviation accident data from 1962 - 2023 about civil accidents

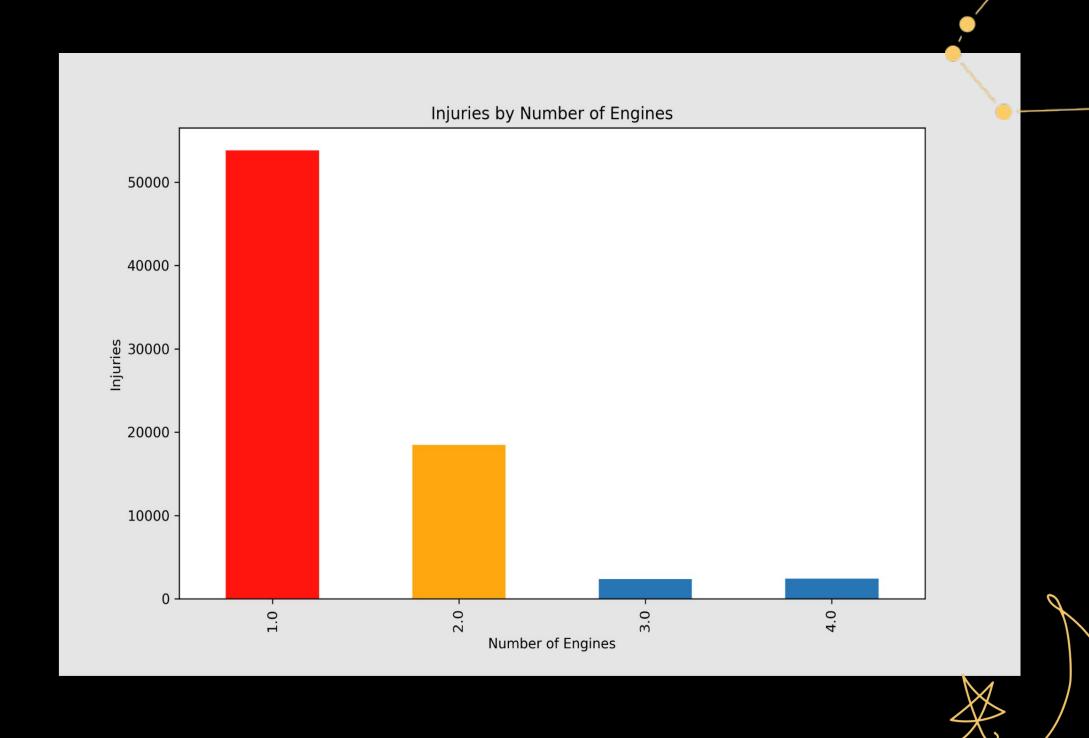
Only slight reduction in injuries over time

POTENTIAL RISKS?



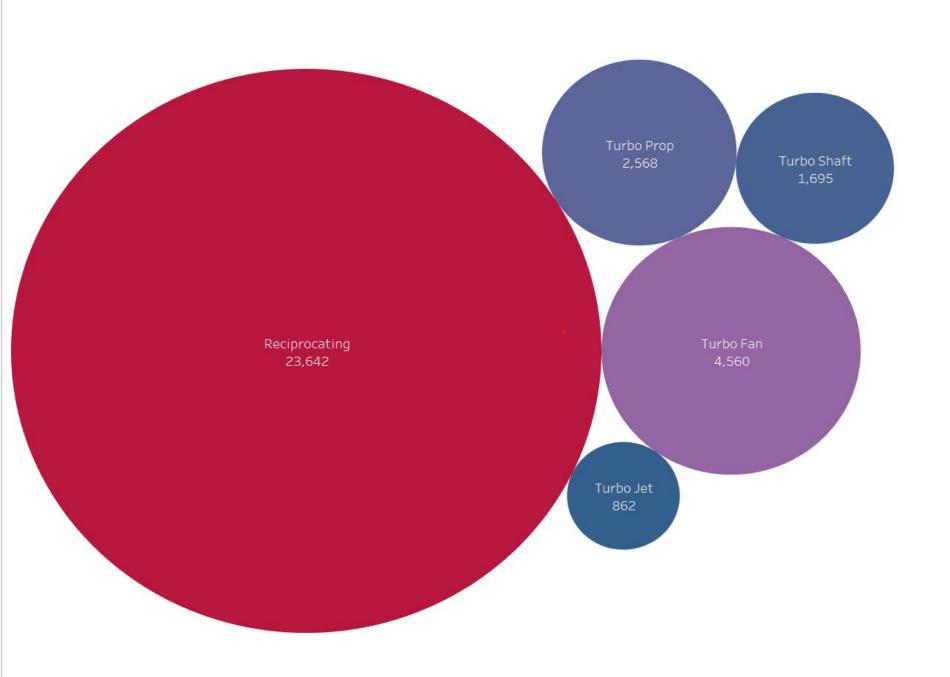
Engine Configuration

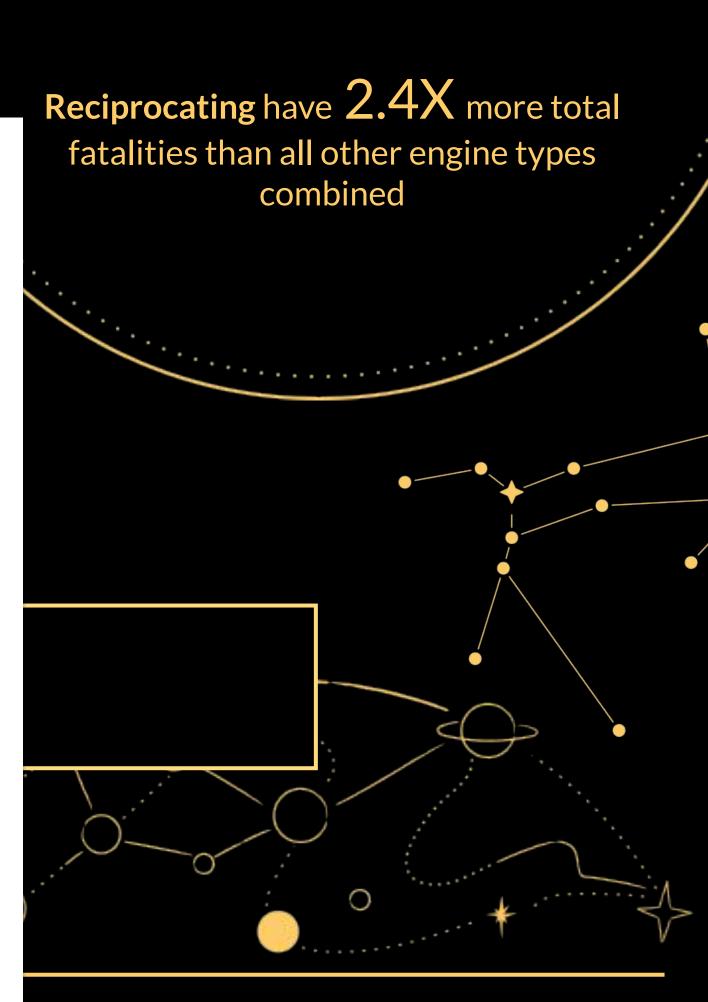
One engine planes have HIGHEST total injuries





Fatal Injuries by Engine Type



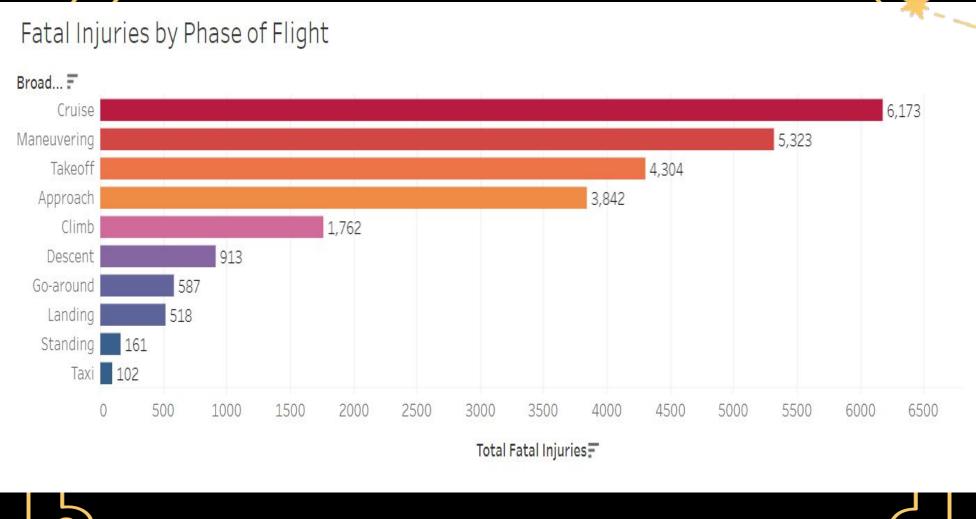


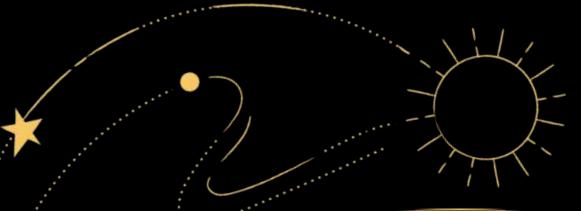
PHASE OF FLIGHT

Cruise Phase: 6173 injuries

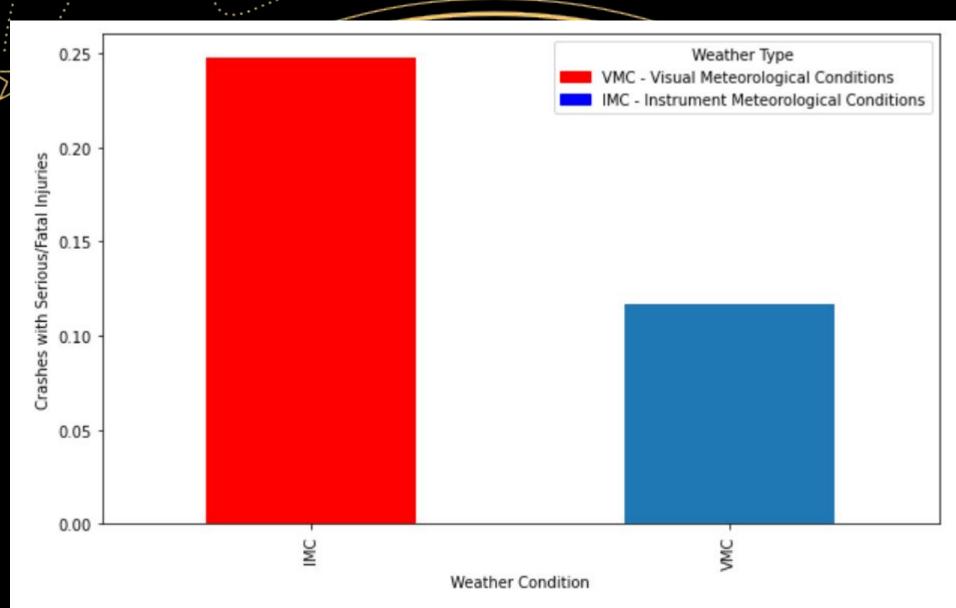
Maneuvering: 5323 injuries

Takeoff: 4304 injuries





DID YOU KNOW?



CRASHES DURING IMC FLIGHTS ARE

ALMOST 10% MORE LIKELY TO

RESULT IN A SERIOUS OR FATAL CRASH

RECOMMENDATIONS/CONCLUSIONS

These are my recommendations to consider for the new fleet

ENGINE

RECOMPLIE UR ATLANES

WITH 3 OR MORE ENGINES

NO 1 ENGINE PLANES

PHASE OF FLIGHT

Increase adherence to safety protocols particularly during: Maneuvering, Takeoff, Cruise phases

ENGINE TYPE

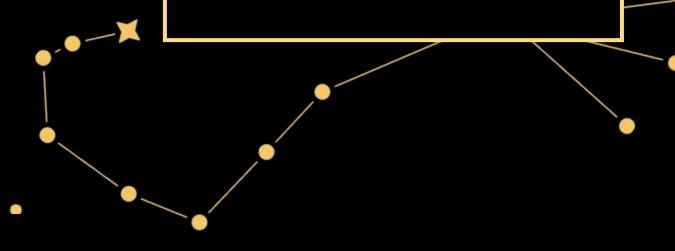
Buy **Turbo** Engines

Airplanes with reciprocating engines had 2.4x higher total fatalities than all other engine types

WEATHER CONDITION

Increase minimum requirements for flights weather conditions to reduce amount of IMC flights





Thank You

