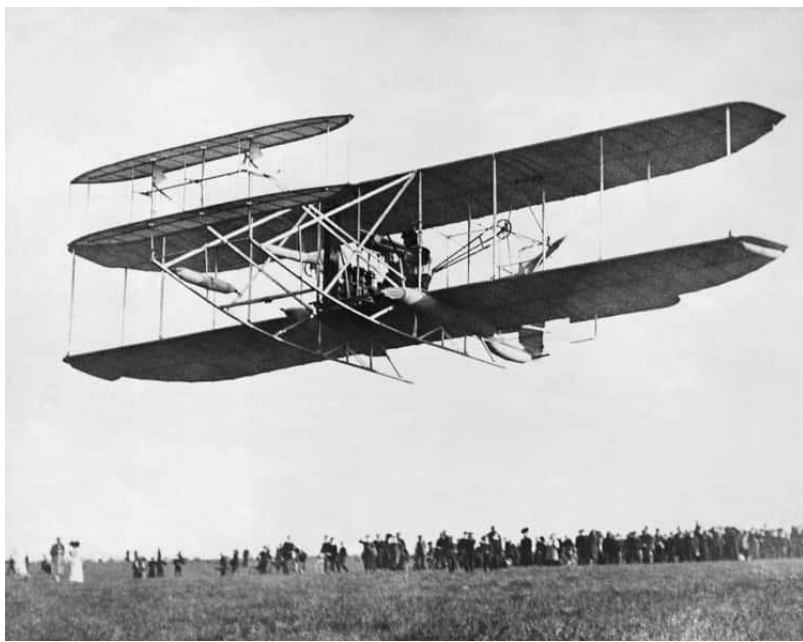


AVOIDING THE CRASH

Navigating the Skies Safely

Presented by Chisum Lindauer and Emma Scotson





INNOVATION



RISK



01

Is commercial or private safer?

02

What are some of the most important features for aircraft safety?

03

Who makes the safest aircraft?

04

What is the safest model of aircraft?

Data Understanding

National Transportation Safety Board (NTSB)

Over **88,000 accidents** from **1982 to 2022**

Data preparation: careful cleaning, filtering, and handling of missing data.

Commercial Flights

21.8%

Private accidents that were
'fatal or serious'

50,245

Total private accidents

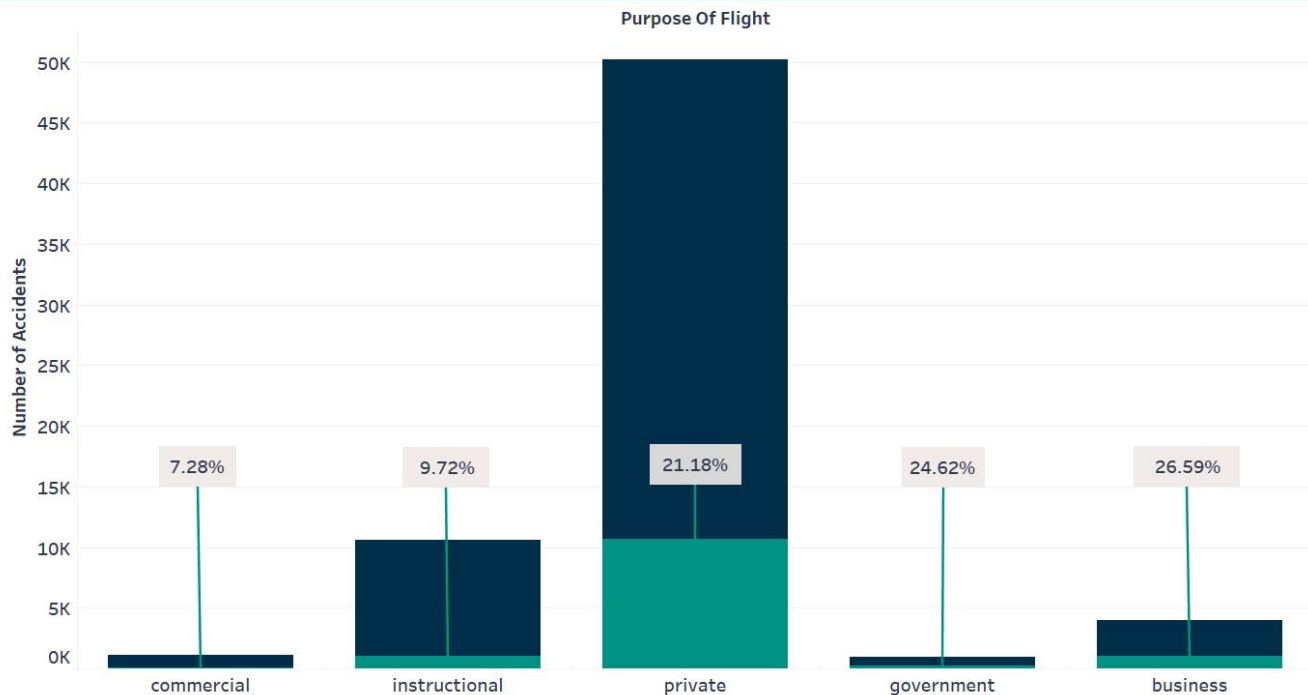
7.28%

Commercial accidents that were
'fatal or serious'

1,085

Total commercial accidents

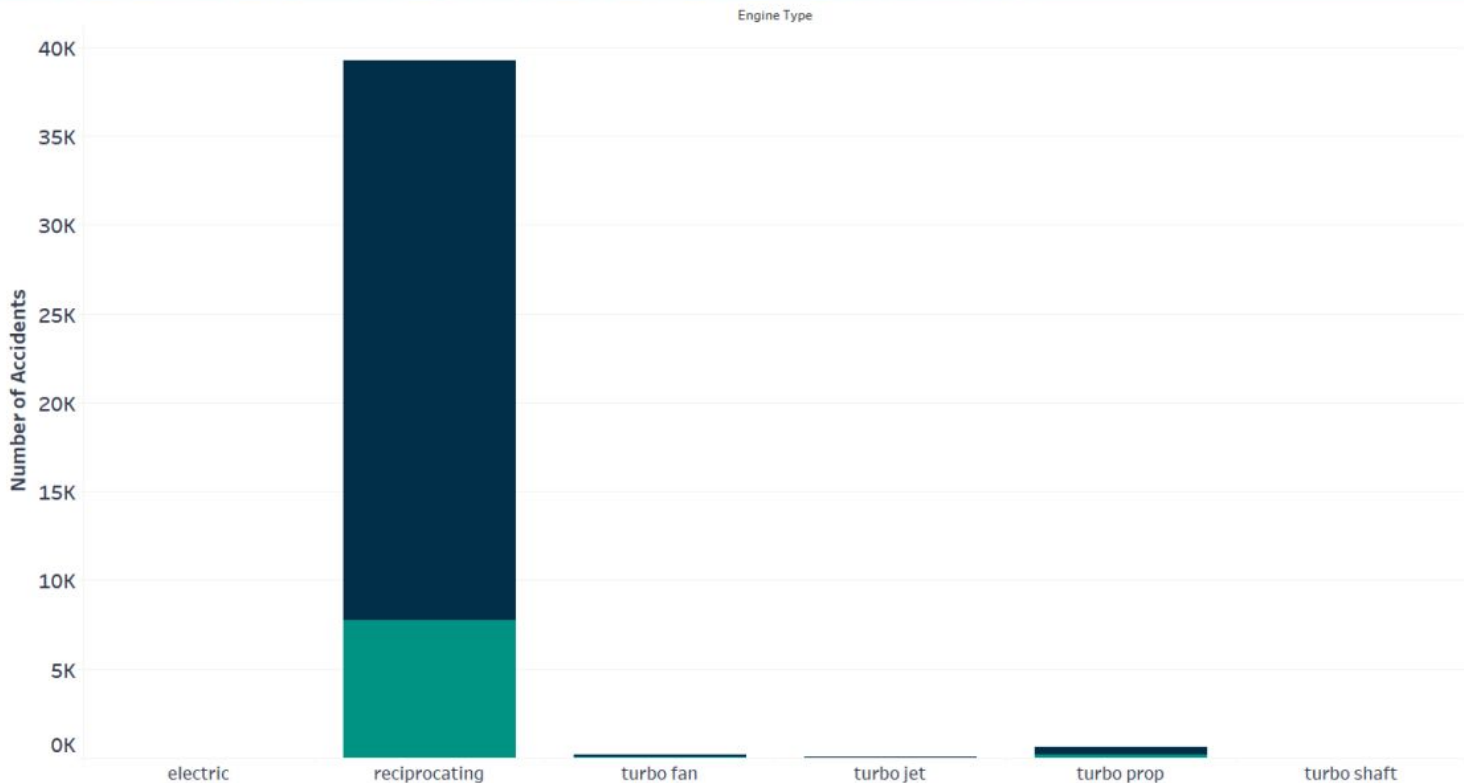
Purpose of Flight: Fatal or Serious vs Total Number of Accidents

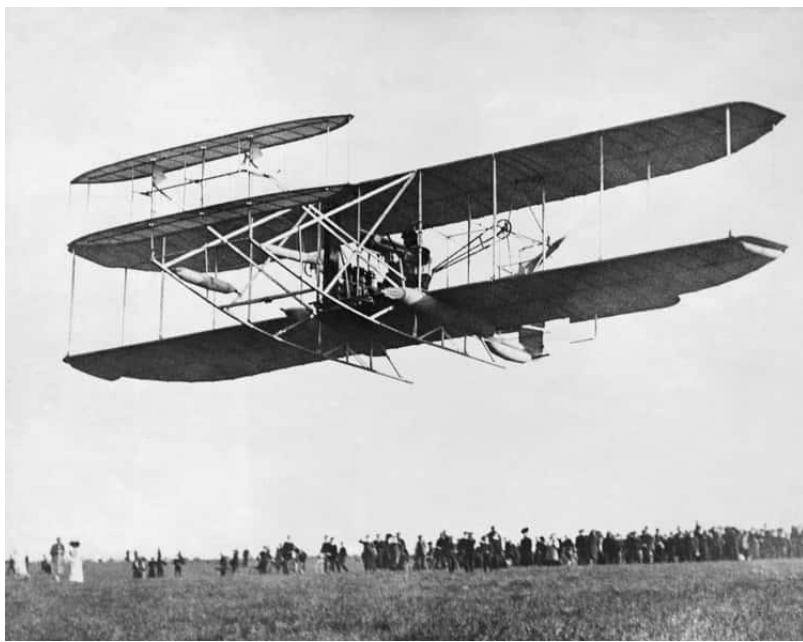


FEATURES

DUAL-ENGINE | TURBO FAN

Private Flights: Total Accidents vs Fatal or Serious Accidents by Engine Type





INNOVATION

“If you look at the numbers you’re more at risk to have an accident driving to the airport than you are flying at 38,000 feet. I tell people, if you make it to your flight, the most hazardous part of your day is actually behind you.” — Anthony Brickhouse, professor of aviation safety at Embry-Riddle Aeronautical University

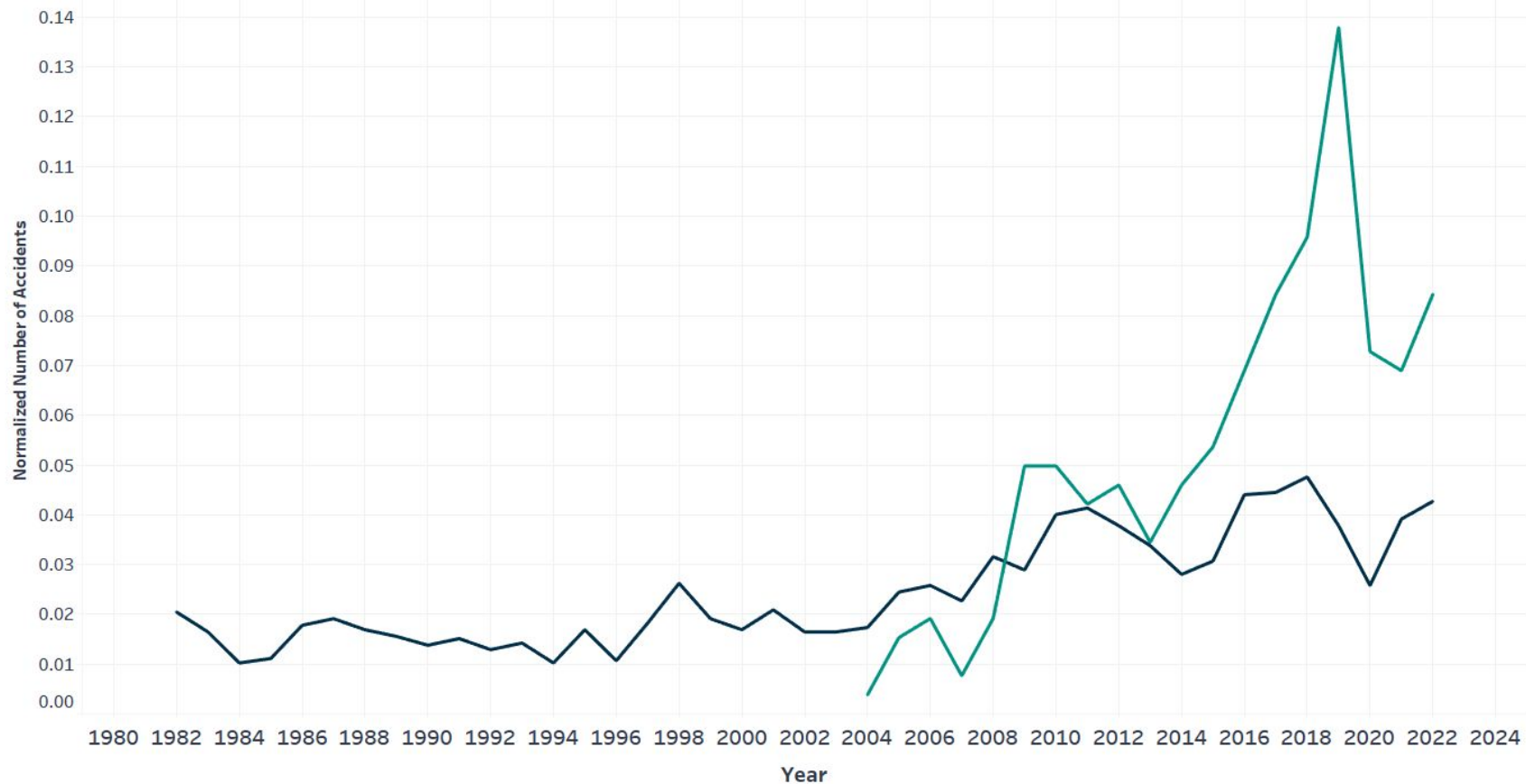


MAKE

Boeing

Airbus

Normalized Total Number of Accidents Over Time for Boeing and Airbus Aircraft



NEXT STEPS

Explore niches to target:

Is the industry saturated? is a niche we can target?

Expand international analysis:

Our data was largely U.S. based.
What world-wide locations are safest?

Market Analysis:

What is the pacing of growth across various market sectors?
What is the best time to enter the market?

\$134.06 B

Market Capitalization, Airbus (Netherlands)



\$106.37 B

Market Capitalization, Boeing (USA)



Questions?



Thank You



Emma Scotson

Aquí puedes hablar un poco sobre esta persona



Chisum Lindauer

Aquí puedes hablar un poco sobre esta persona