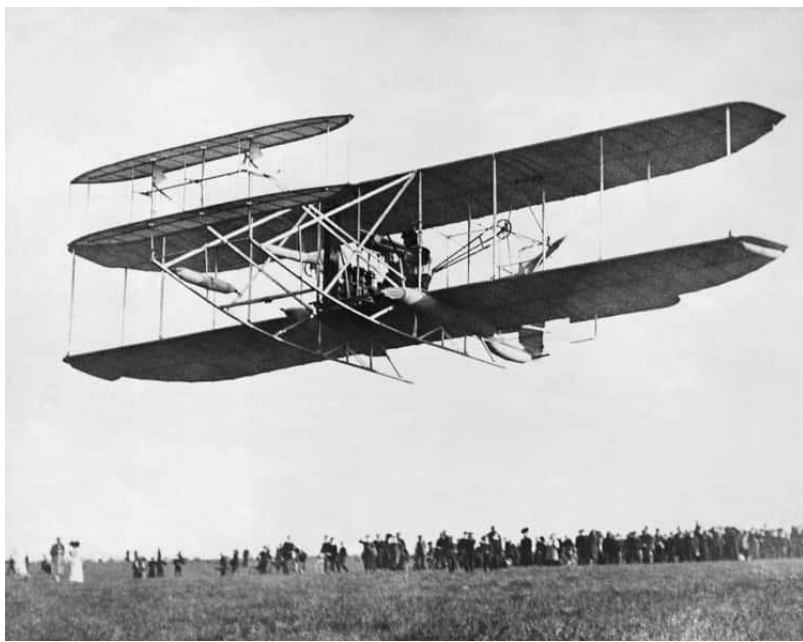


AVOIDING THE CRASH

Navigating the Skies Safely

Presented by Chisum Lindauer and Emma Scotson





INNOVATION



RISK



Data Understanding

National Transportation Safety Board (NTSB)

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

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

Commercial Flights

21.88%

Private accidents that were
'fatal or serious'

50,245

Total private accidents

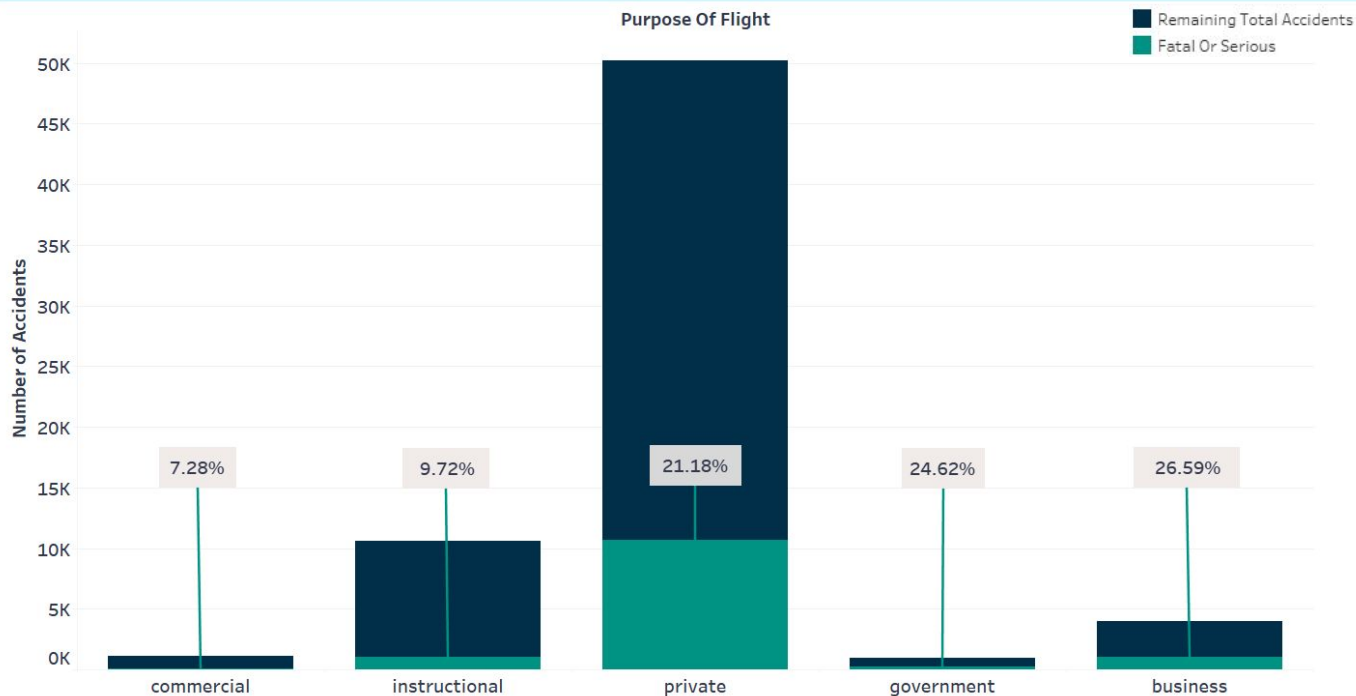
7.28%

Commercial accidents that were
'fatal or serious'

1,085

Total commercial accidents

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



Risk

Unscheduled flights

Instrumentation failure (IMC weather conditions)

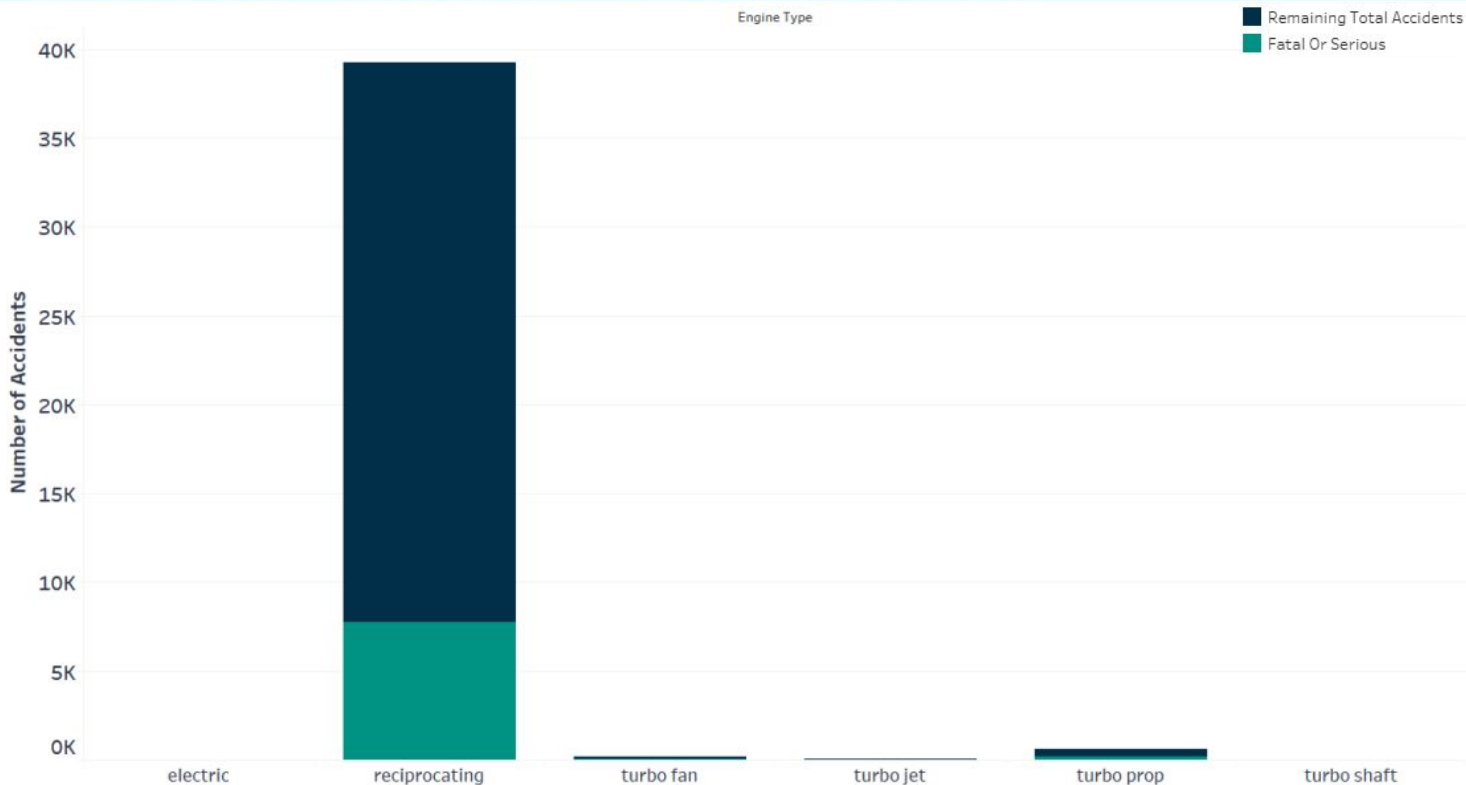
Lack of FAA regulations on maintenance checks, pilot qualifications, etc.

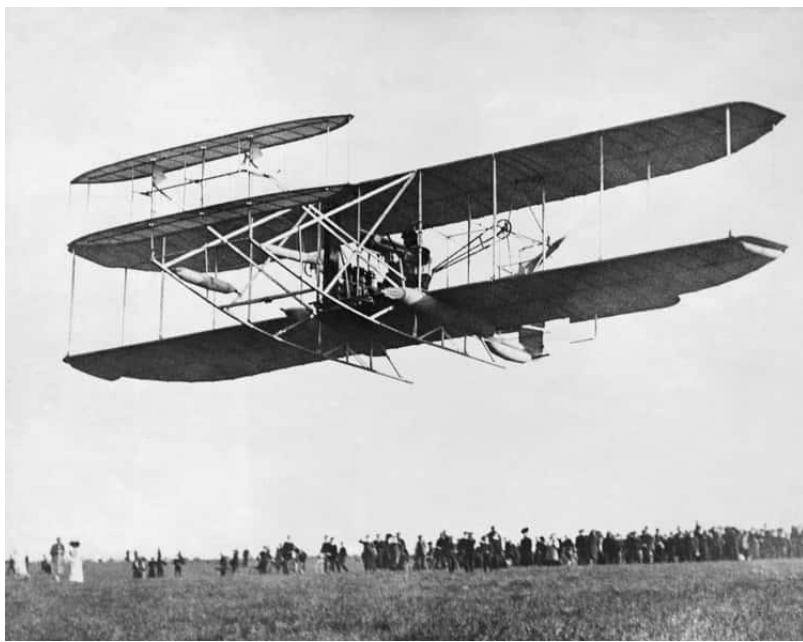
Low-quality and low-level engine features

FEATURES

DUAL-ENGINE | TURBO FAN

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





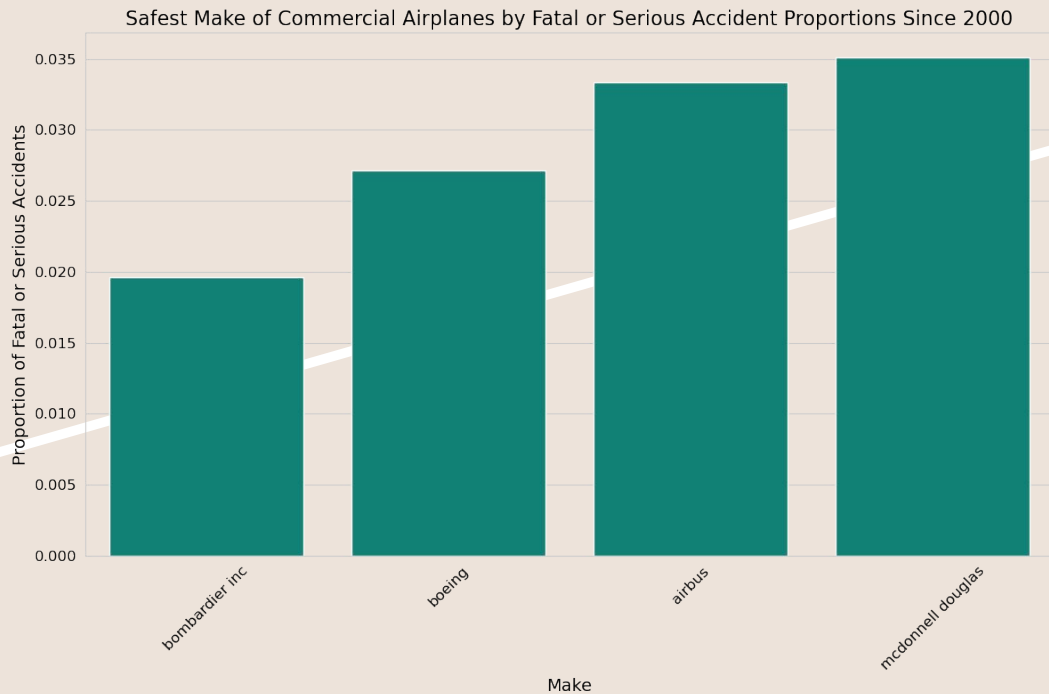
INNOVATION

“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

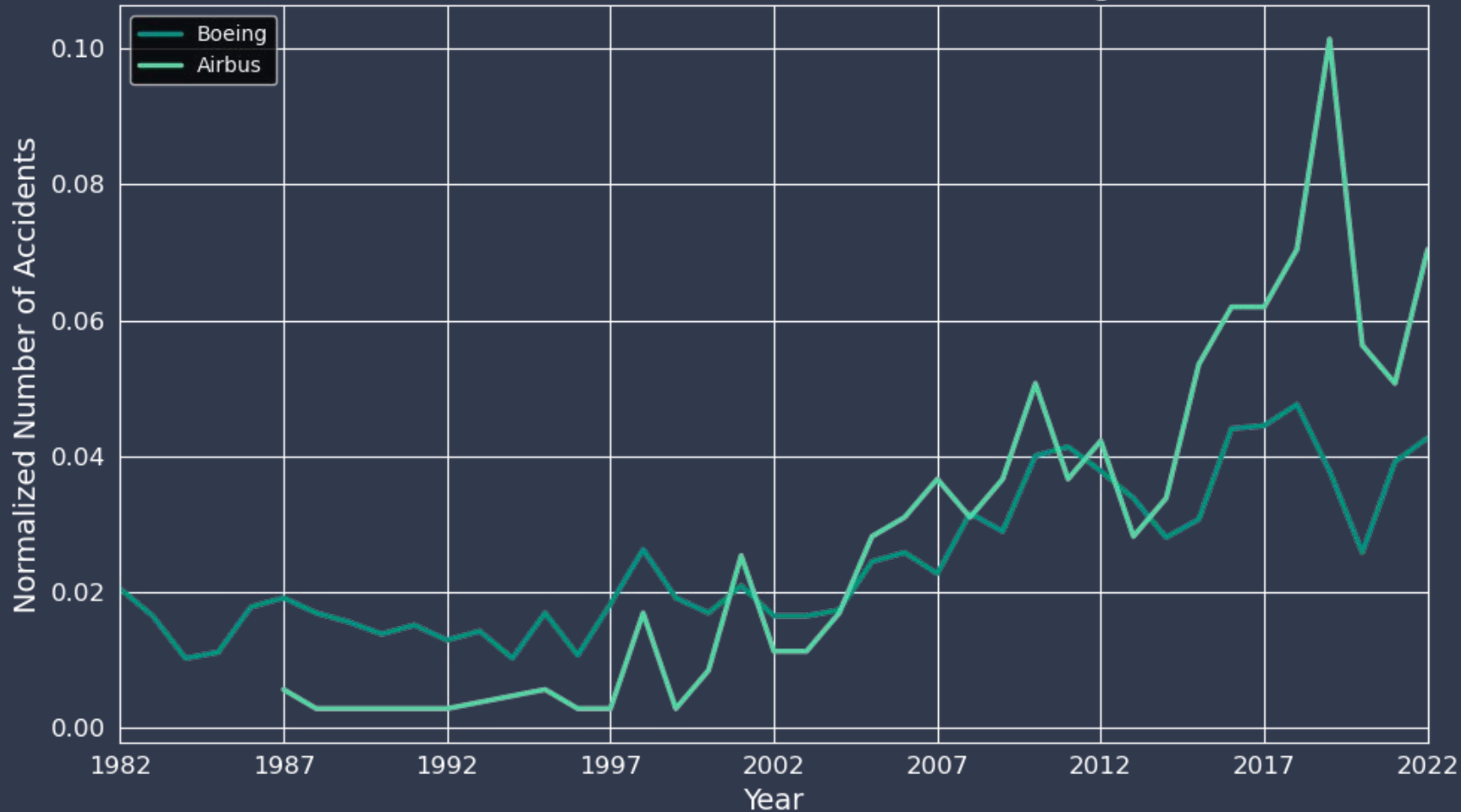


MAKE

BOEING / AIRBUS



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



Conclusions

01 Purpose of Flight
Commercial

02 Make
Boeing-777, 767

03 Engine Features
Dual-engine, turbofan

04 Time of Year
Winter months



NEXT STEPS

Explore niches to target:

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

Expand geographic 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



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