

CHARTING NEW HEIGHTS:

PERSPECTIVE ON AIRCRAFT INVESTMENT & RISK MITIGATION

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SUMMARY

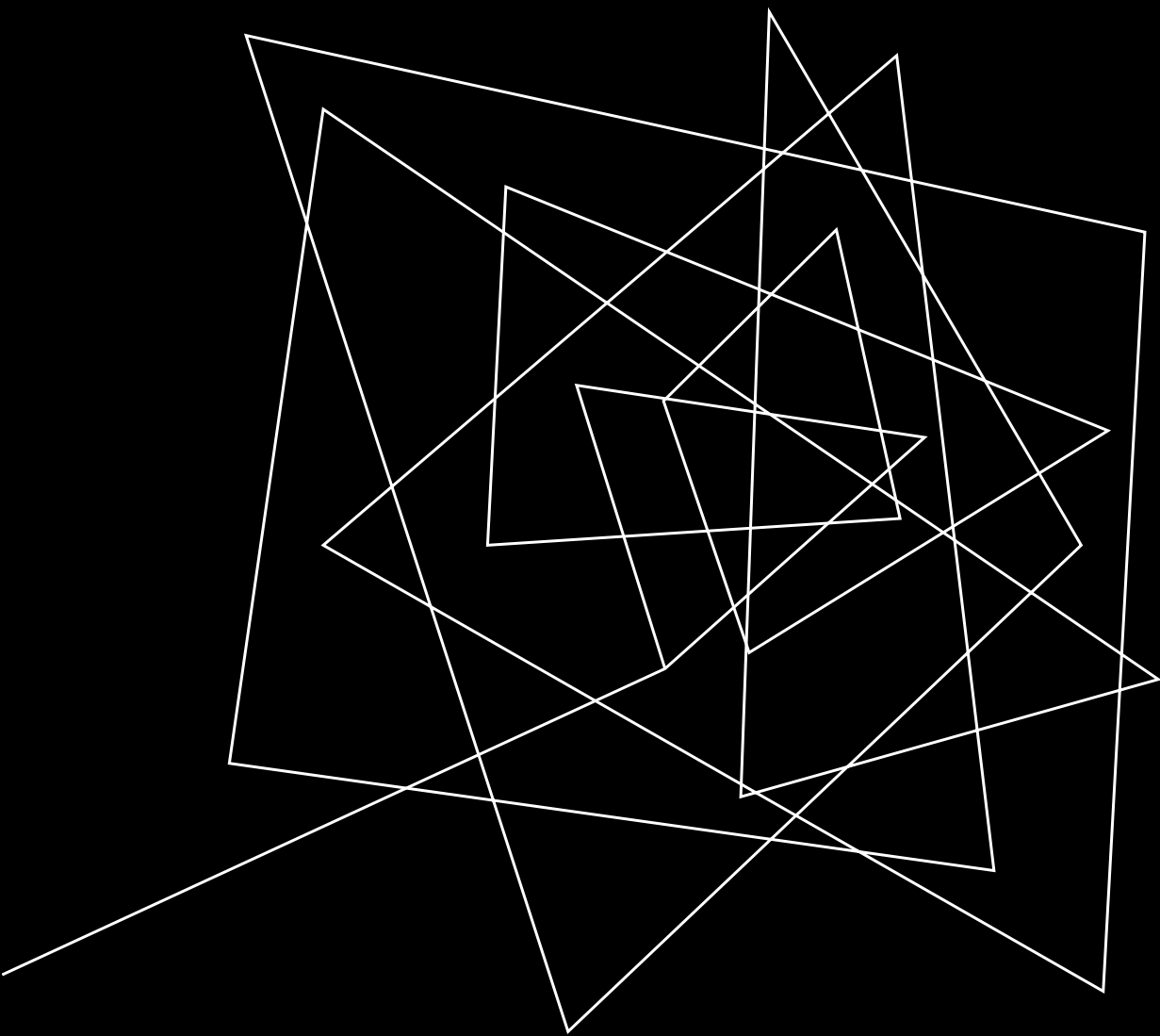
Our project assessed risks associated with expanding into aviation. We identified low-risk aircraft based on safety records. These findings offer actionable insights for the head of the business division to guide aircraft purchases, ensuring a strategic and secure market entry.

OUTLINE

- Business Problem
- Data & Methods
- Results
- Conclusions



<https://bjtonline.com/aircraft/cessna-citation-x-0>



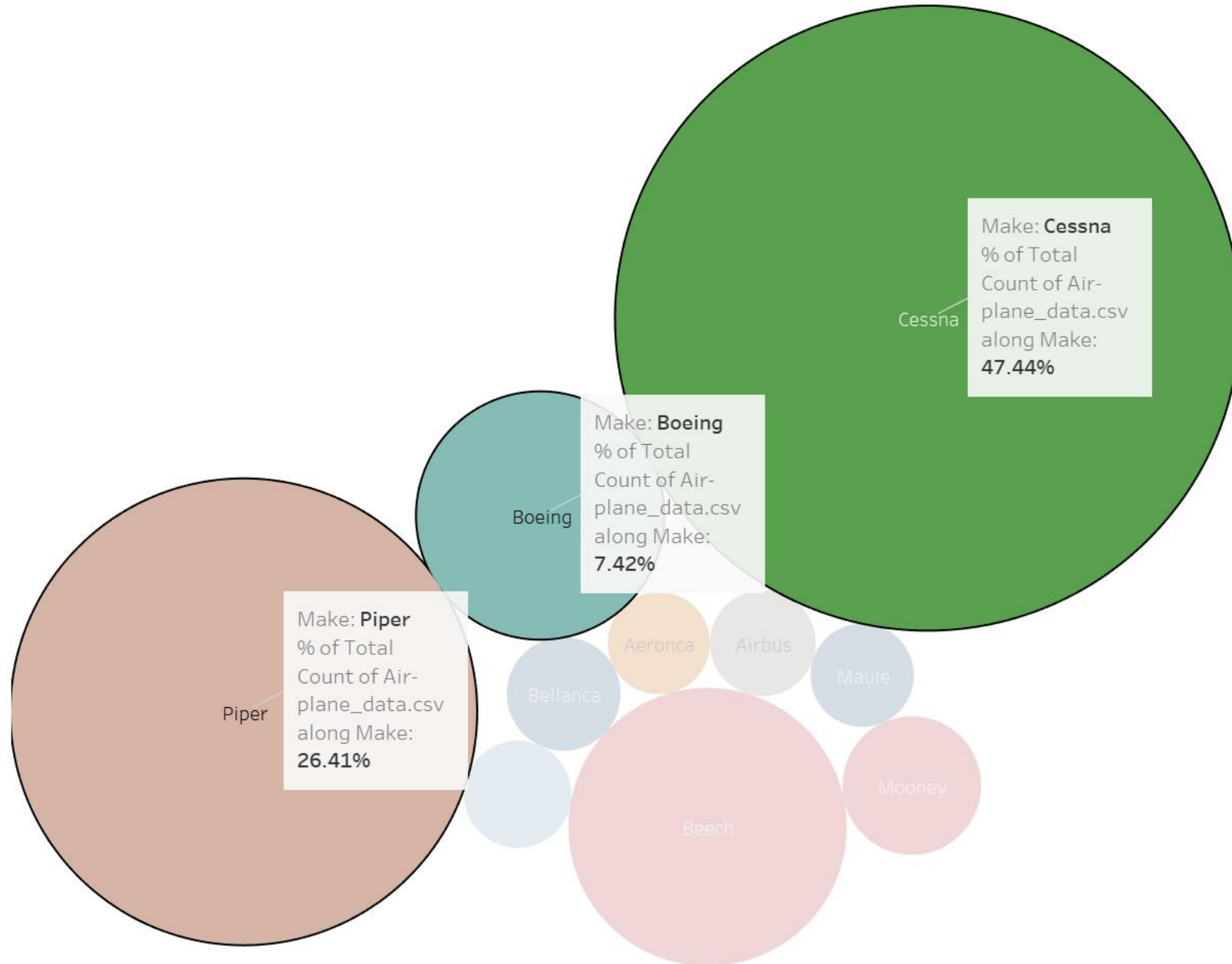
BUSINESS PROBLEM

- Diversify their portfolio & expand in to private and commercial aviation
- Invest in the lowest risk aircraft
- Translate research findings into actionable insights

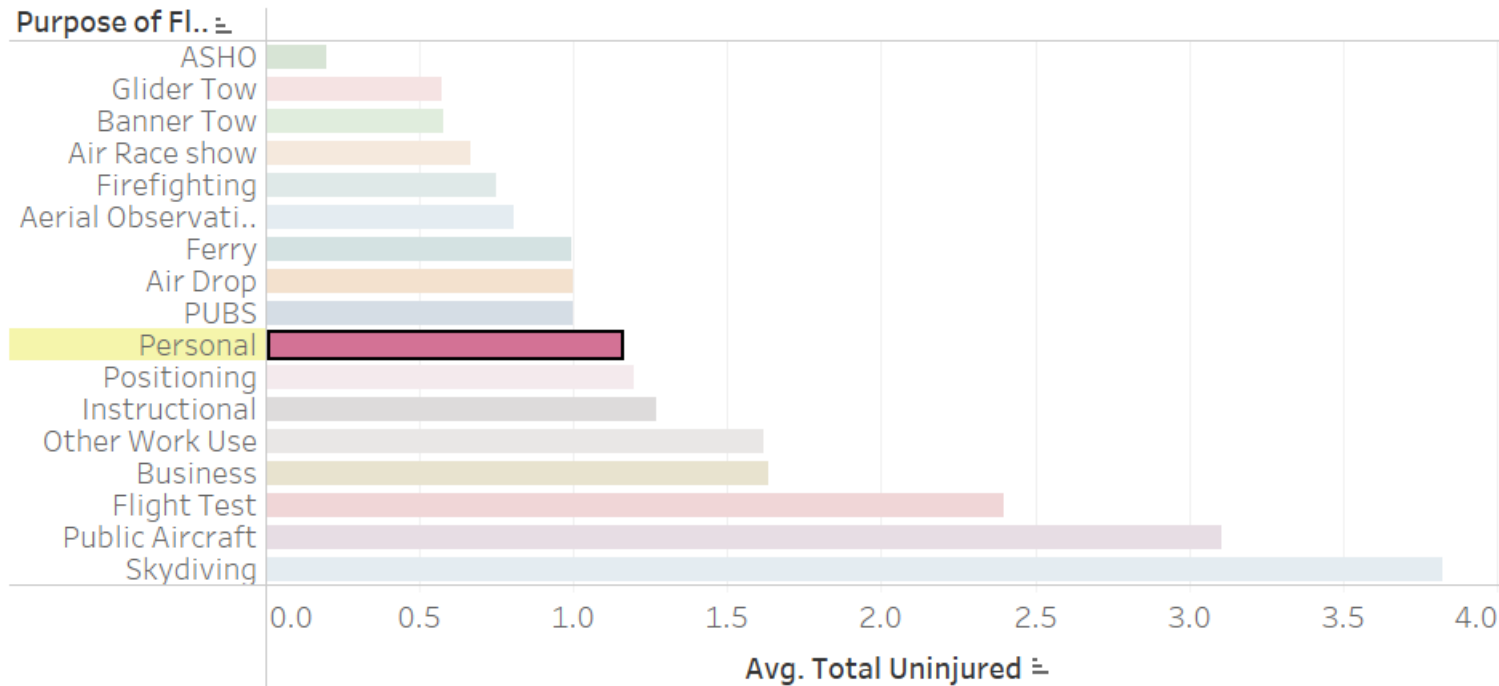
DATA & METHODS

- Analyzed aircraft accident data from National Transportation Safety Board (1962-2022)
- Top 10 companies
- Identified high risk flight phases for added safety implementation

ACCIDENTS VS. UNINJURED PER MAKE



PURPOSE OF FLIGHT VS. AVERAGE UNINJURED

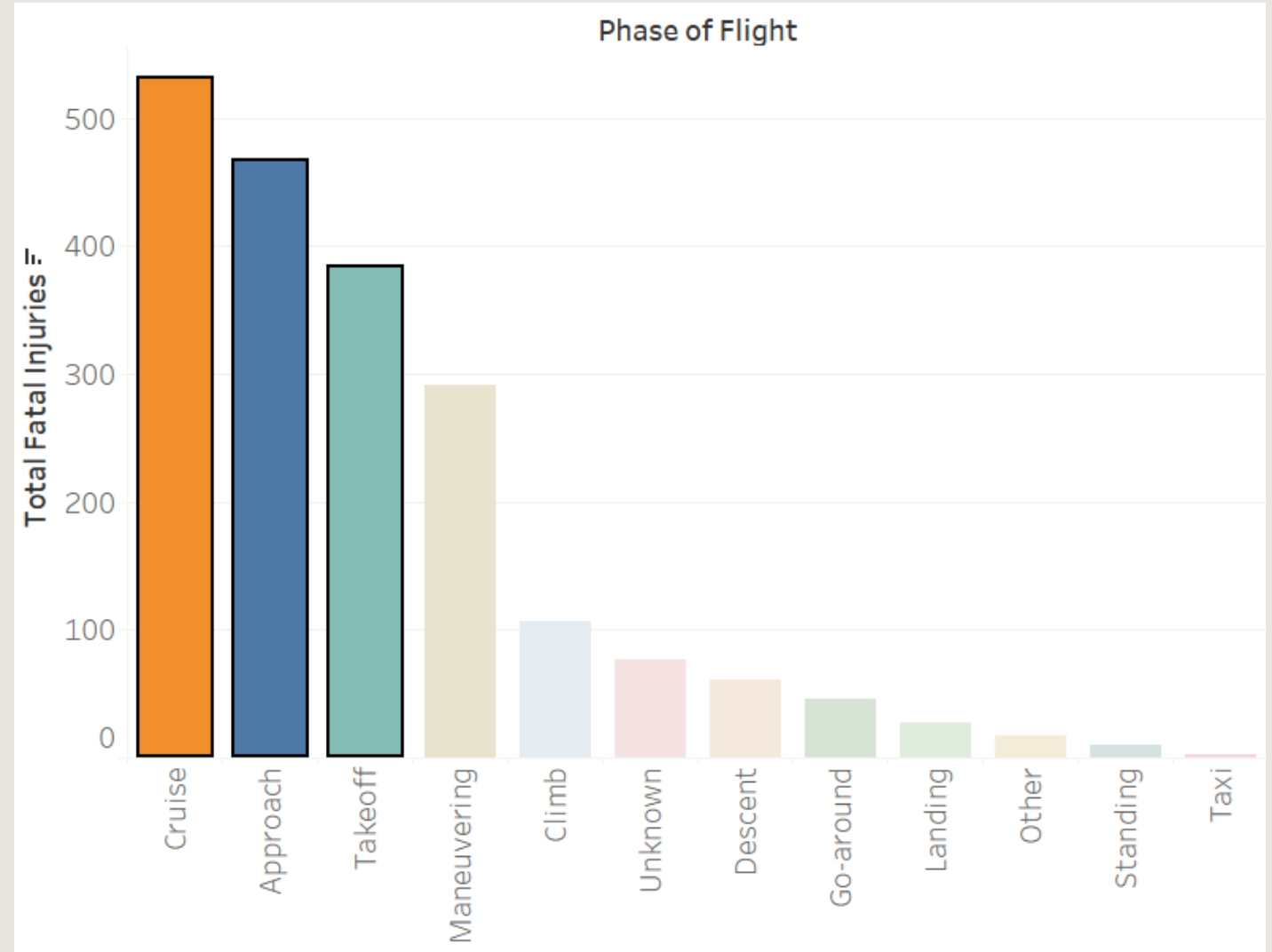


Personal flights have a relatively low average of uninjured passengers when involved in an accident

FATALITIES VS. PHASE OF FLIGHT

Cruise, Approach, & Takeoff
have highest injury rate

Insight on additional training
& safety measures at high-
risk points of the flight



CONCLUSIONS

- For smaller airplanes, invest in Cessna or Piper
- For larger airplanes, invest in Boeing
- Focus on extra safety measures during cruise, approach, & takeoff





NEXT STEPS

ROI

Find ROI comparing smaller & larger airplanes for our company's entrance into the market

Risk Mitigation

Develop extra training programs at high-risk flight phase points

Further Analysis

Cost of repair or replacement

Occurrence of accidents & why

Investigate airplanes equipped with extra safety features



THANK YOU

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