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# Aircraft Acquisition Proposal

— Adriana Ramirez Franco —  
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# Summary

- I conducted a meticulous analysis of the National Transportation Safety Board (NTSB) aviation database.
- The focus included assessing risks in both commercial and private aircraft and identifying the lowest risk airplanes to guide our strategic decisions.



# Outline

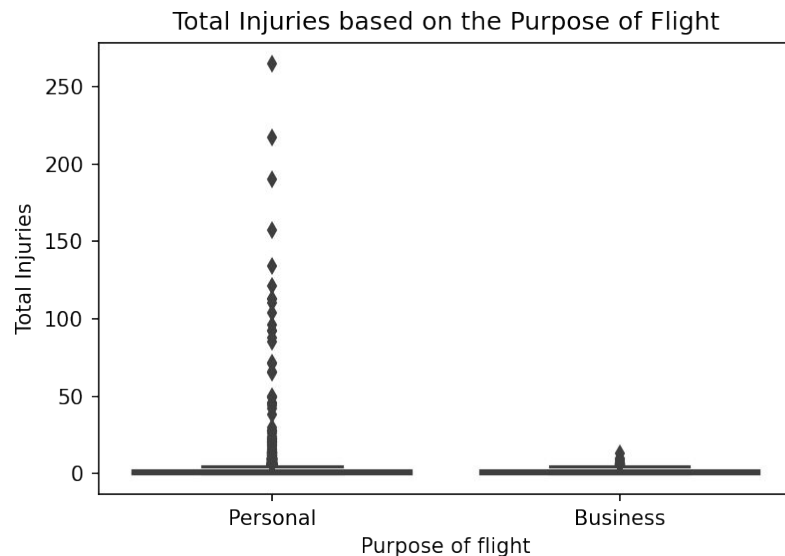
- Business Problem
- Data & Methods
- Results
- Conclusions

# Business Problem

- Analysis of the risks associated with operating airplanes for commercial and private enterprises.
- Making informed decisions on which aircraft to purchase, aligning with the company's goal.
- Ensure safety for the company and customers.

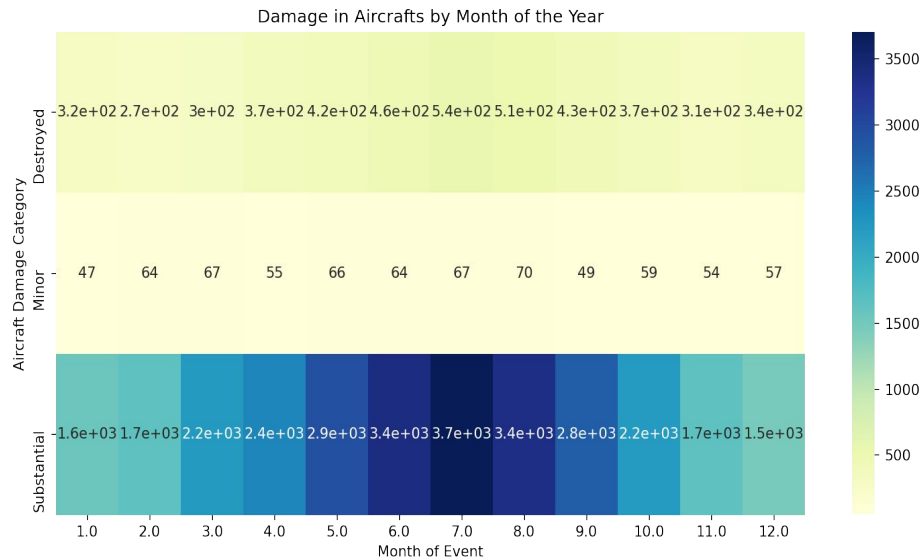
# Data & Methods

- Database with over 90,000 events from 1962 and later about civil aviation accidents and selected incidents within the United States and in international waters.
- Includes Make/Model of Aircrafts and date of the event.



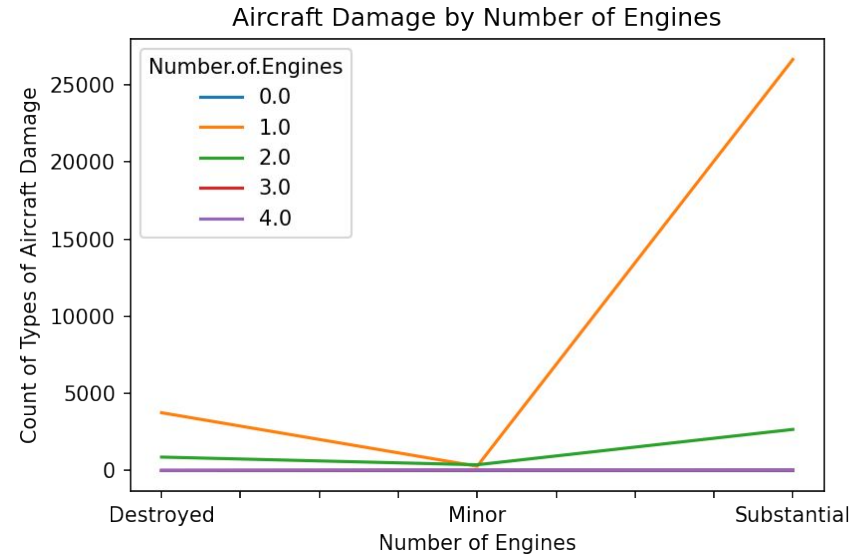
# Results

- The months of June, July, and August pose higher risks for flights, particularly in the Central areas of the US.
- Reducing flights during these months can contribute to overall risk mitigation.



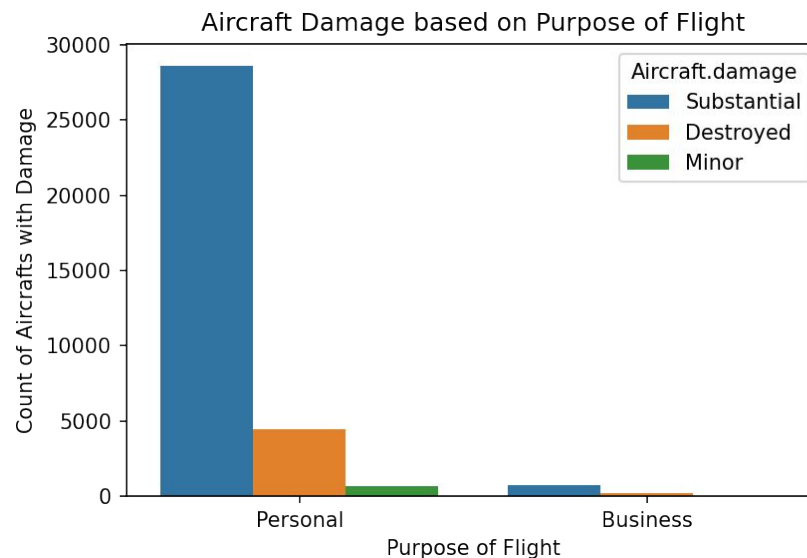
# Results

- Turbo engines are recommended for enhanced power, leading to increased speed and safety.
- Multiple engines provide extra safety and power, as well as greater fuel efficiency.



# Results

- There is lower risks and accident rates associated with commercial airplanes.
- The affordability of commercial flights extends their reach to a broader audience, consequently enhancing profitability.





# Conclusions

- The analysis recommends the acquisition of airplanes with multiple turbo engines for increased power, speed, and safety during longer trips.
- Commercial airplane purposes is advisable, given their lower risks and accident rates, enhance affordability, and broader market reach.
- Strategically reduce flights during the riskier months of June, July, and August in the Central regions of the US to mitigate overall risk.
- Airplane Makers recommended: Boeing, Cessna and Airbus.

# Thank you!

Email: [aramirezfr20@gmail.com](mailto:aramirezfr20@gmail.com)

Github: [@aramirezfr](https://github.com/aramirezfr)