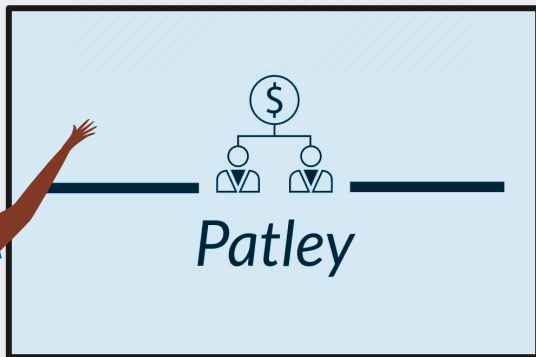
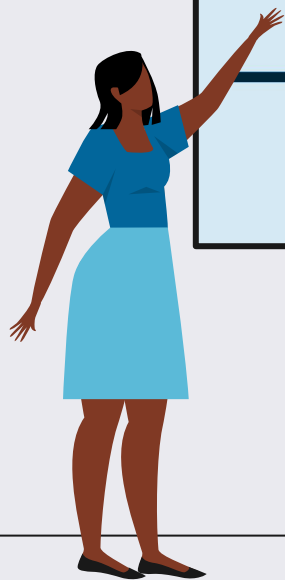


# Aviation Data Analysis



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By  
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# Overview

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→ Venturing into the airline industry

# Outline



**Business  
Understanding**



**Data**



**Visualizations &  
Recommendations**



# **Business Understanding:**

- Stakeholders: Shareholders, Passengers
- Question: Which aircraft should we buy?

# The Data: 1948 - 2022

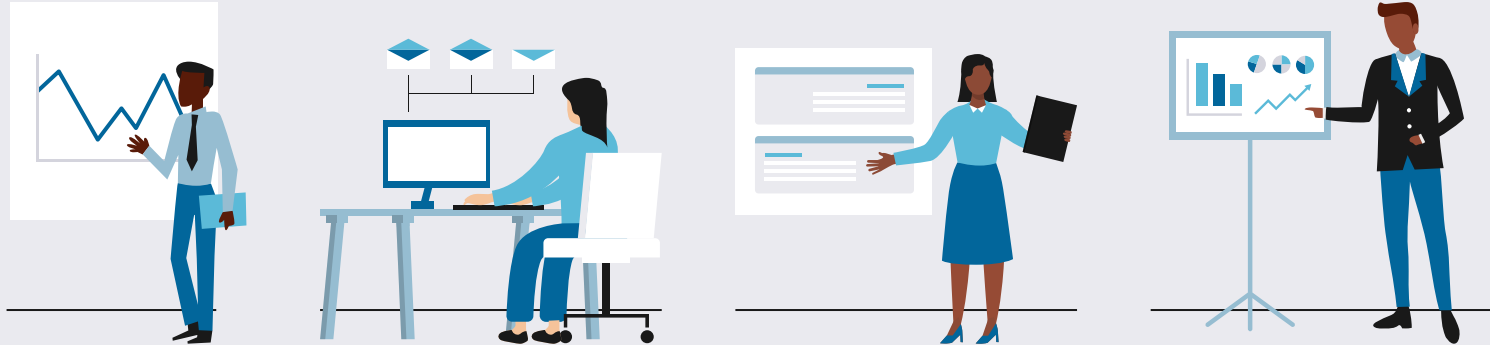


- 90k incidents
- Geography, injuries, damage, airplane type, etc.

# Data Prep

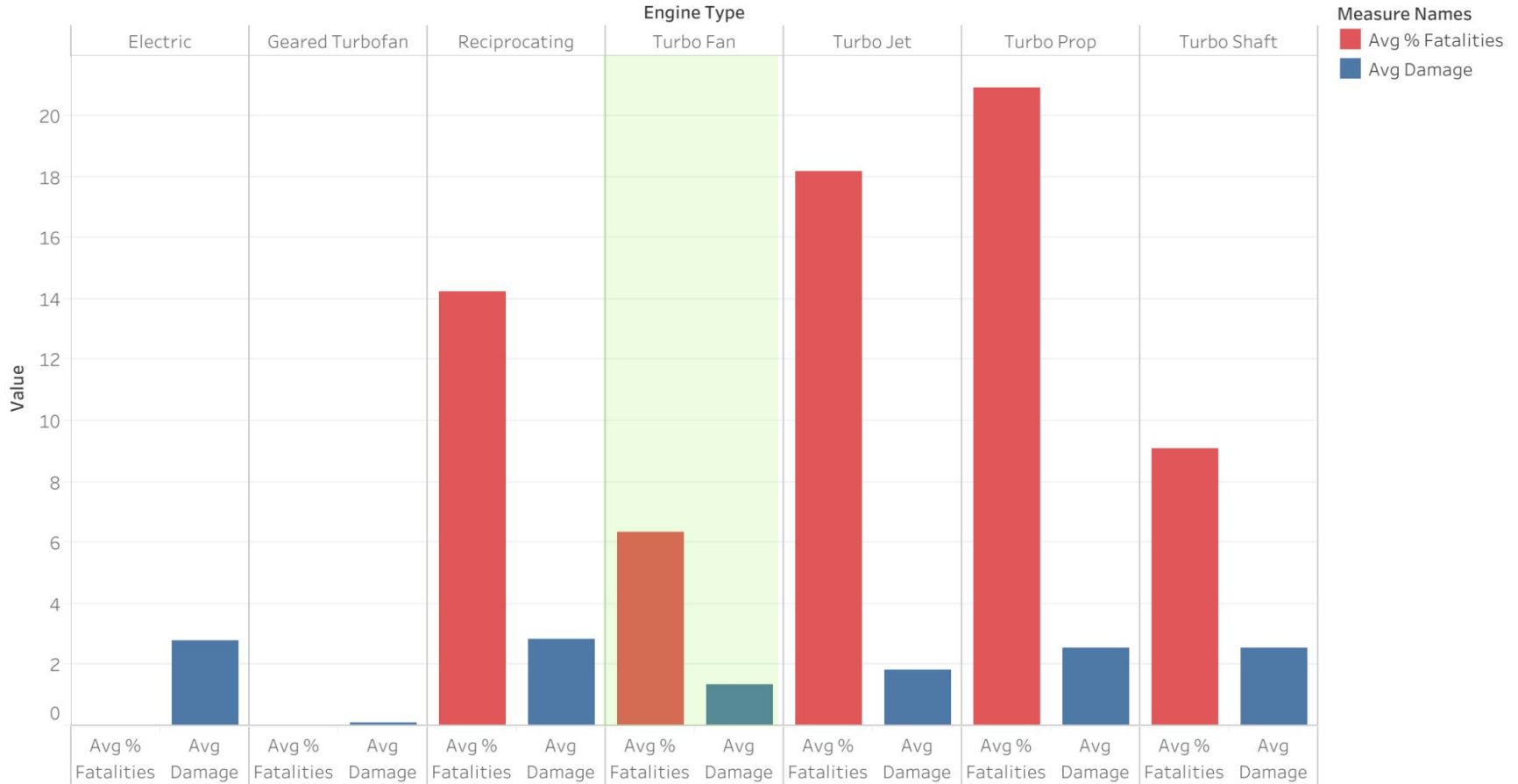
- ➔ 24k rows of data
- ➔ Found insights with airplane engines and manufacturer info
- ➔ Main focus on fatalities and aircraft damage

# Recommendations & Visuals



# #1: Engine Type

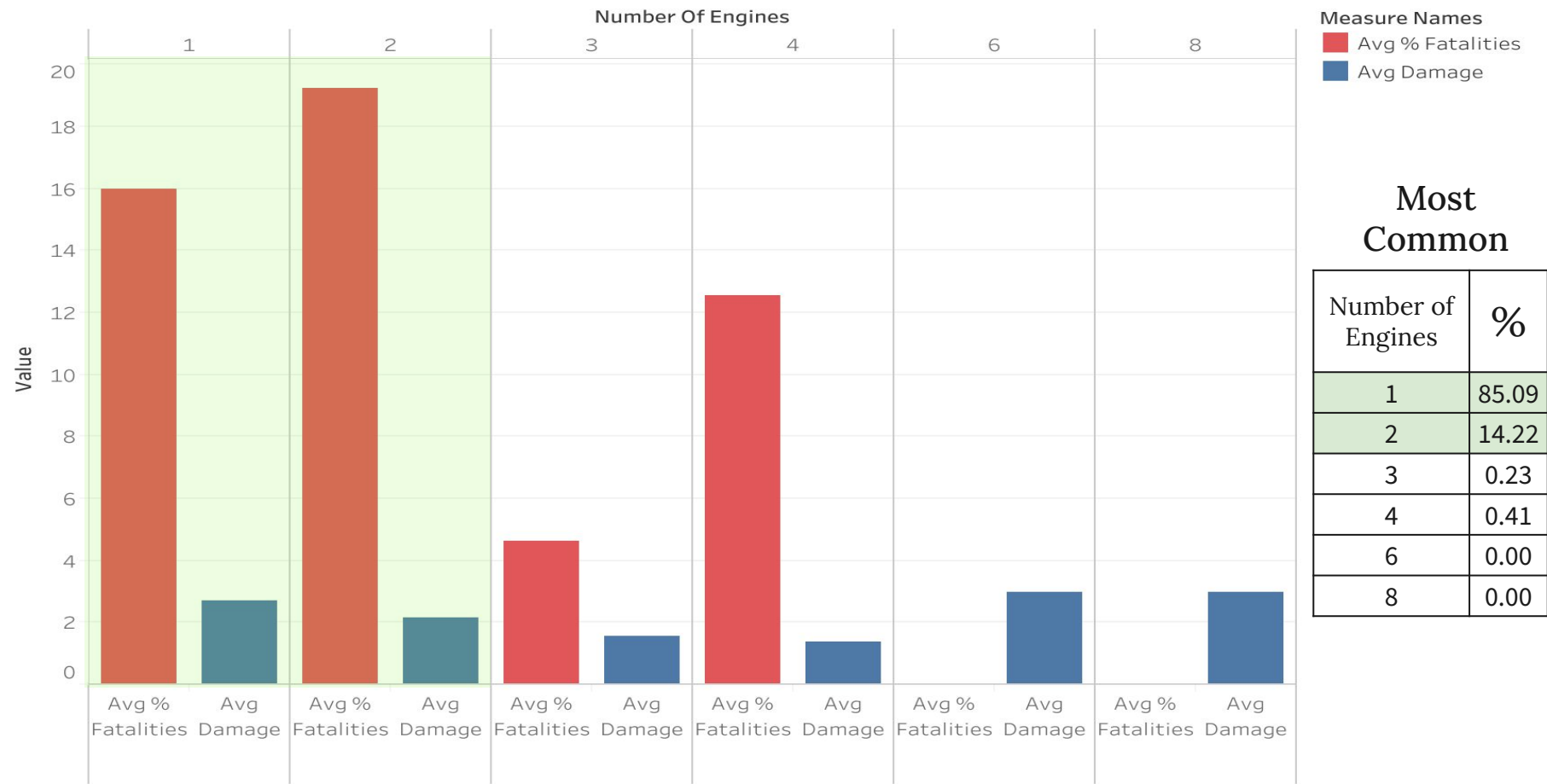
## Fatalities and Damage by Type of Engine





# #2: Number of Engines

Fatalities and Damage by Number of Engines



## #2: Number of Engines (cont.)



VS.

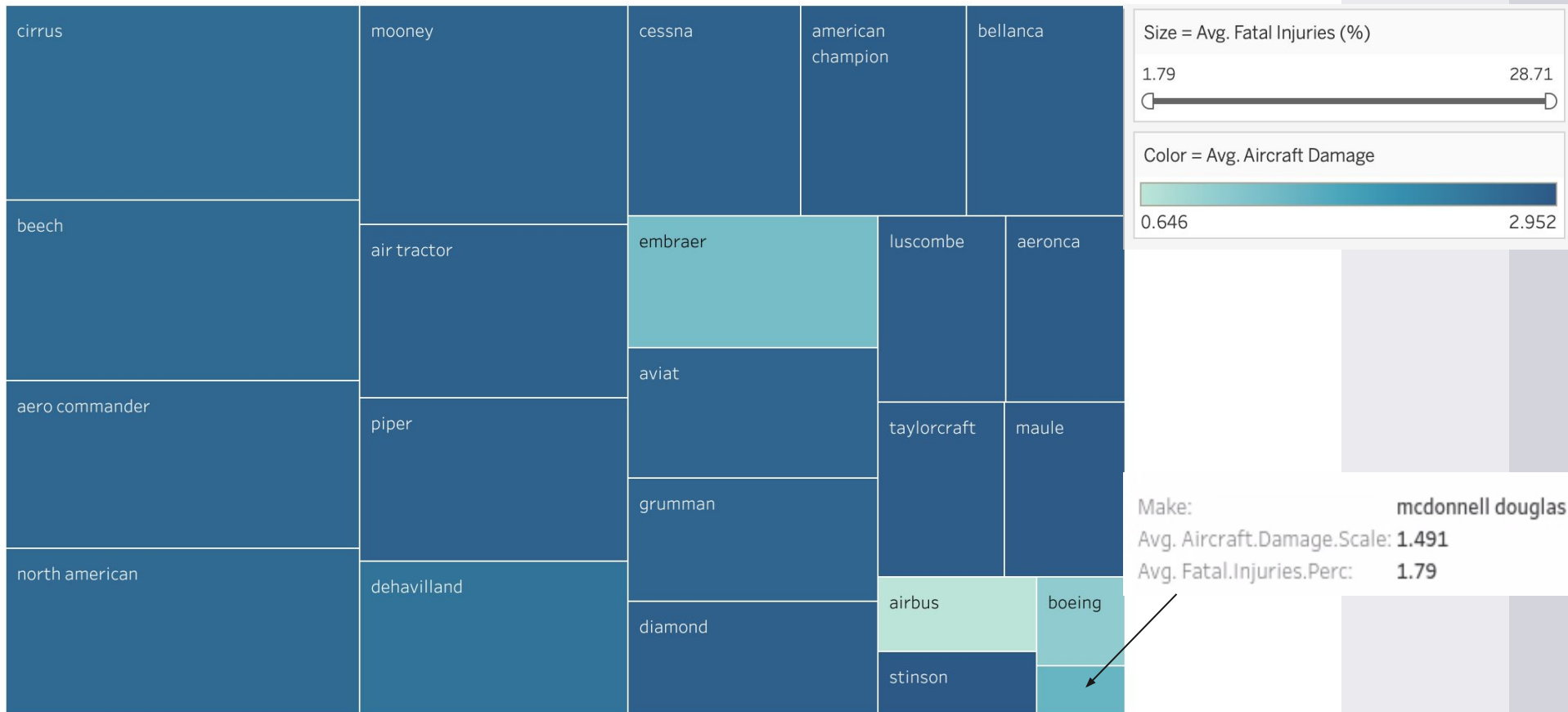


→ Smaller, for private use

→ Larger, for commercial use

# #3: Brand

Fatalities and Damage by Make



# Conclusion



- Airbus or Boeing Turbo Fan Planes
- Chartered flights: single engine planes
- Commercial flights: dual engine planes

# THANK YOU

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Questions?

