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PHASE 1

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PROJECT

# INTRODUCTION



## Objective

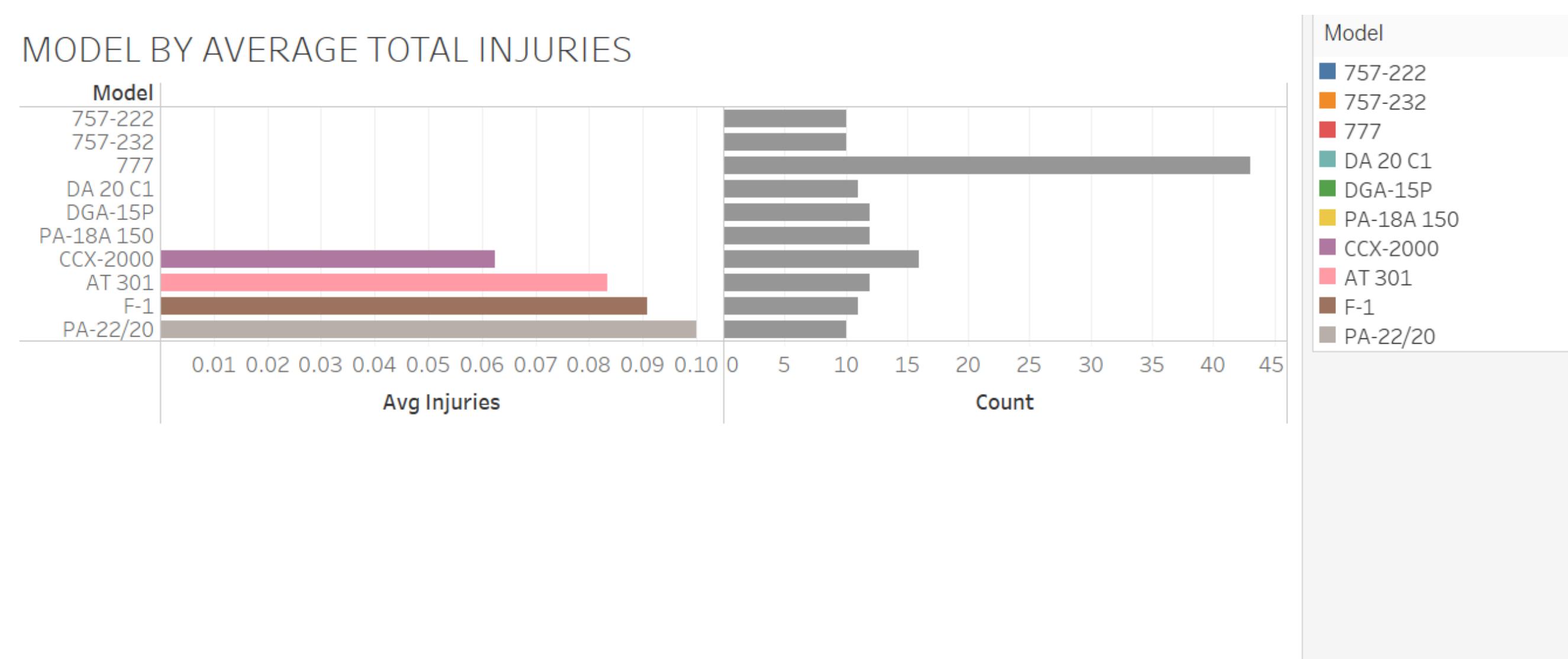
To help our aviation company make informed purchasing decisions by identifying the safest aircraft models and those with the highest injury risks.

# KEY QUESTIONS ANSWERED

1. What are the safest aircraft models based on average injuries?
2. Which aircraft have caused the most total injuries?
3. Are there aircraft with many incidents but low risk per incident?
4. What models and makes should we prioritize or avoid?



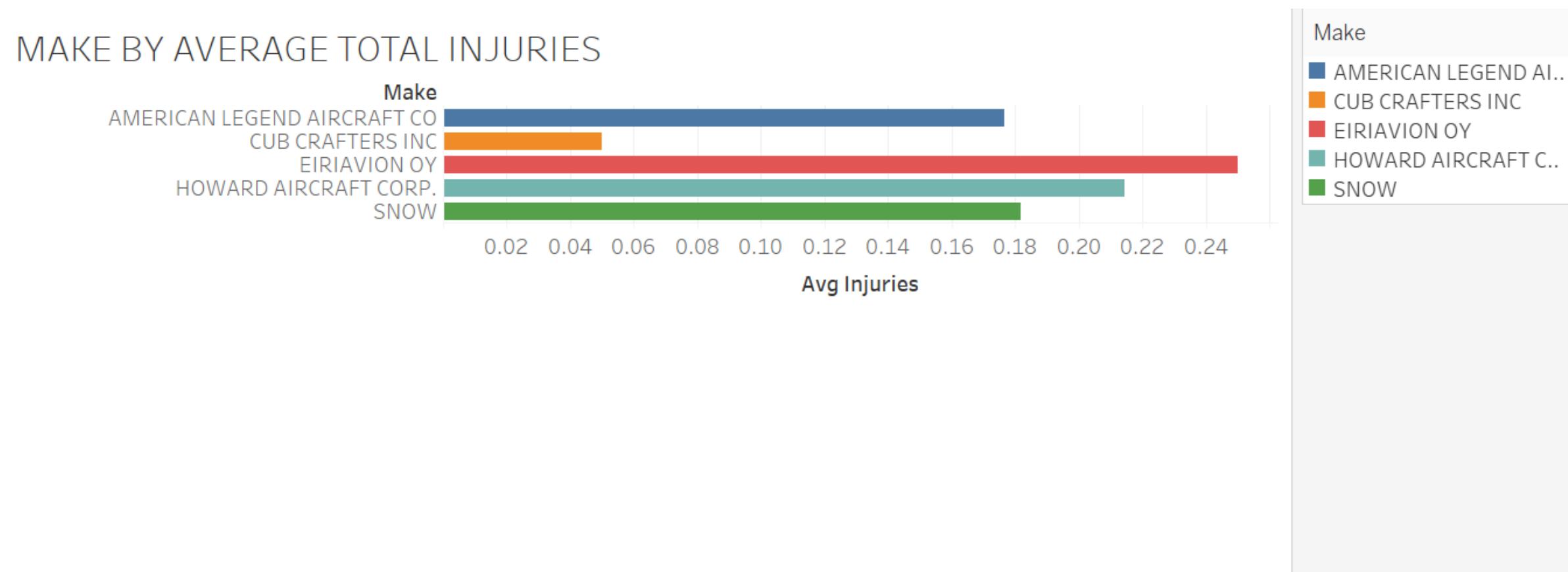
# THE BOTTOM 10 MODELS BASED ON AVERAGE INJURIES





1. The safest model is the Boeing 777 and it is followed by the Howard DGA-15P and Piper PA-18A 150 models.
2. Models like Boeing 757-222 and 757-232 are also strong candidates for safe aircraft investments.
3. Even with multiple reported events, these aircraft maintain low injury severity.

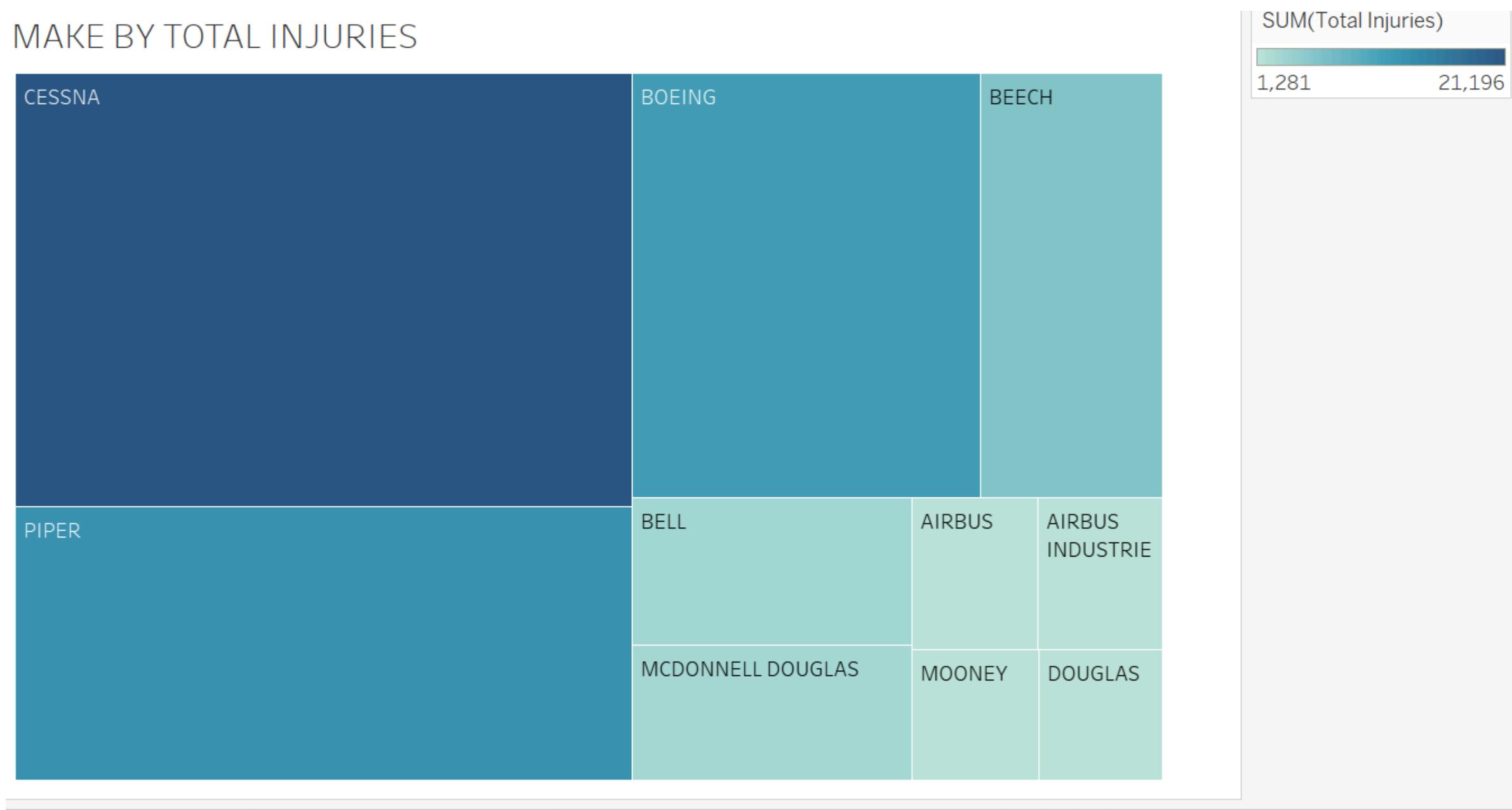
# THE SAFEST MAKES ACCORDING TO AVERAGE TOTAL INJURIES





EIRIAVION OY and HOWARD AIRCRAFT CORP in general are the safest makes.

# THE RISKIEST MAKES IN TERMS OF TOTAL INJURIES

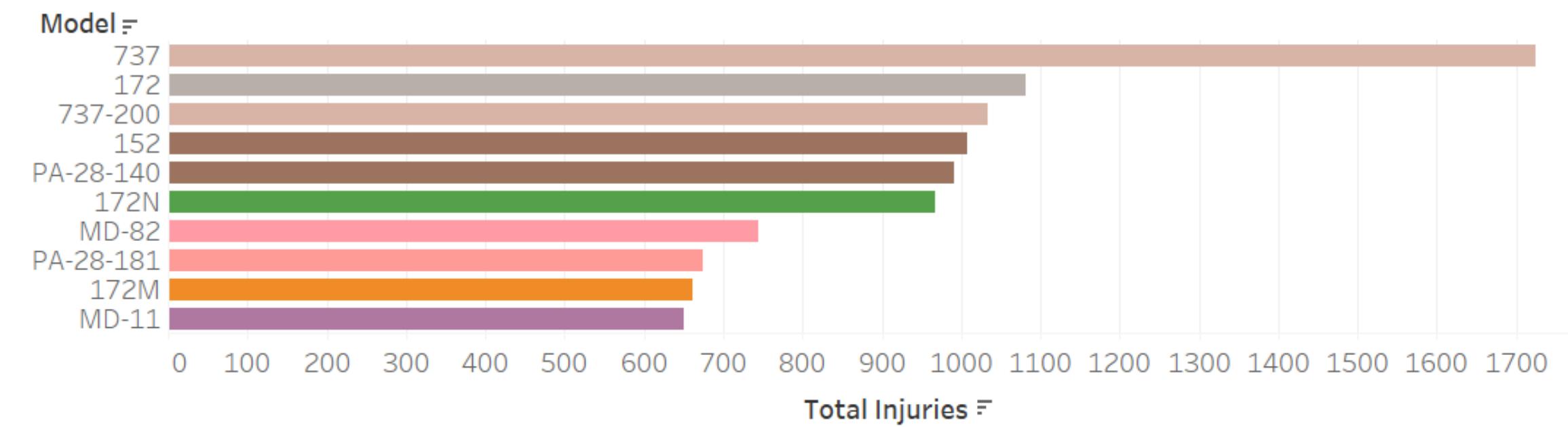




- CESSNA, PIPER and BOEING stand out as the makes involved in the most accidents/incidents.
- CESSNA mainly is the make to avoid as the rest have safer models as well.

# THE RISKIEST MODELS IN TERMS OF TOTAL INJURIES

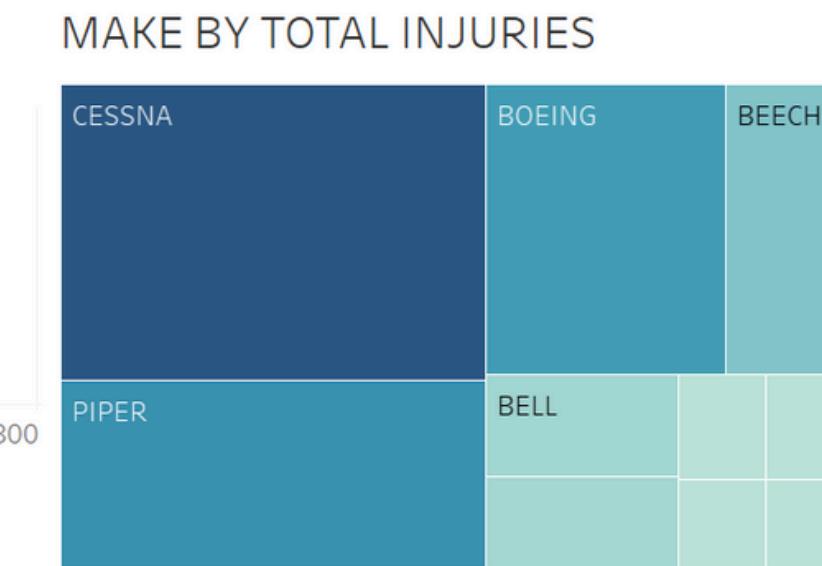
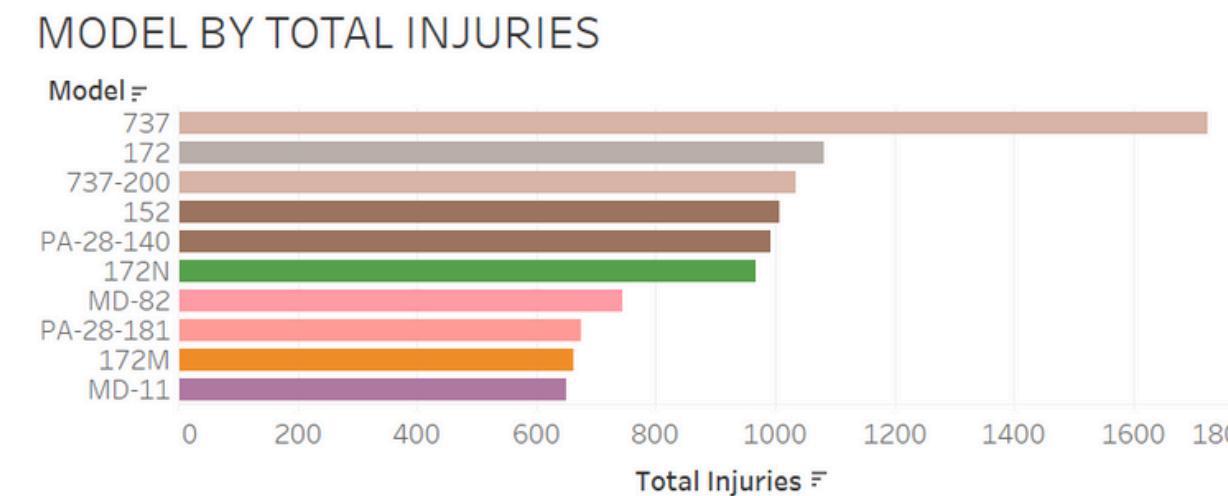
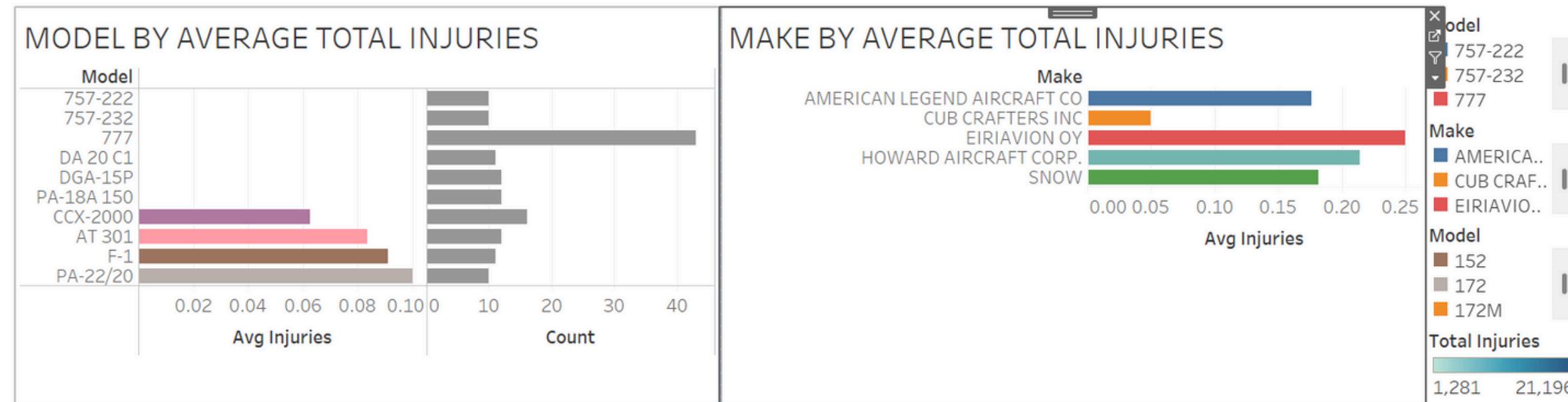
MODEL BY TOTAL INJURIES





- Models like 737, 172, and 737-200 have the highest total injuries.
- These models are best to be avoided even though popularity may have played a part in the statistic.

# Dashboard



# Recommendations

- Shortlist low-risk aircraft: Boeing 777, Howard DGA-15P, Piper PA 18A 150.
- CESSNA is the aircraft make to avoid due to its aircrafts' huge involvement in accidents/incidents.
- For a more informed decision this data should be combined with maintenance and operational feedback



THANK YOU