

# Safety Analysis of Aircraft, 1962 - 2023

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# Introduction





# Overview of Data

- **Aviation Accident Database and Synopses** by the National Transportation Safety Board
- Comprehensive accident data from 1962 - 2023



## Overview of Data, cont.

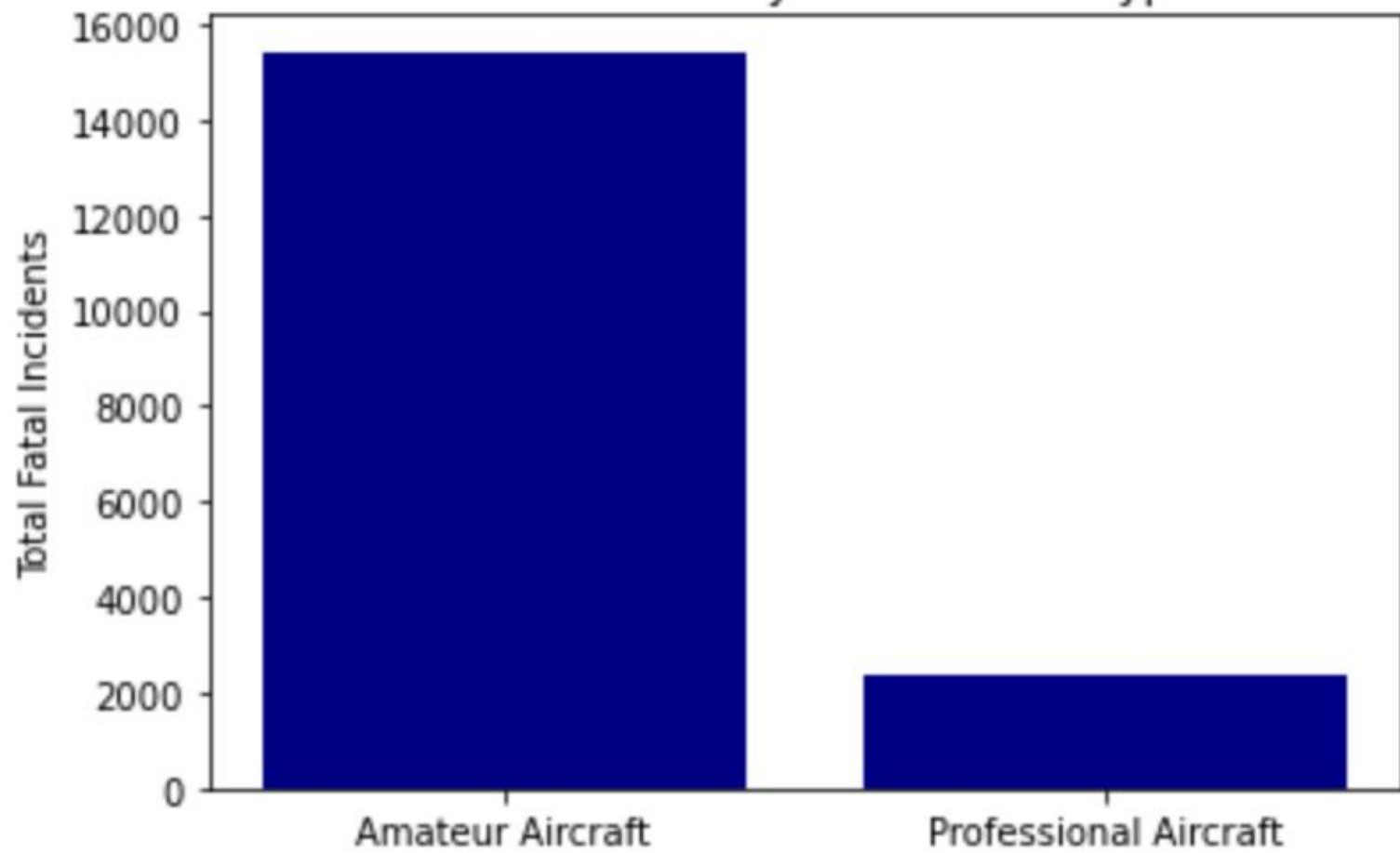
- Data is grouped into types of crashes, weather conditions, general information about craft and airports, etc.
- Some information is not included or otherwise unknown
  - Data will necessitate some cleaning before analysis



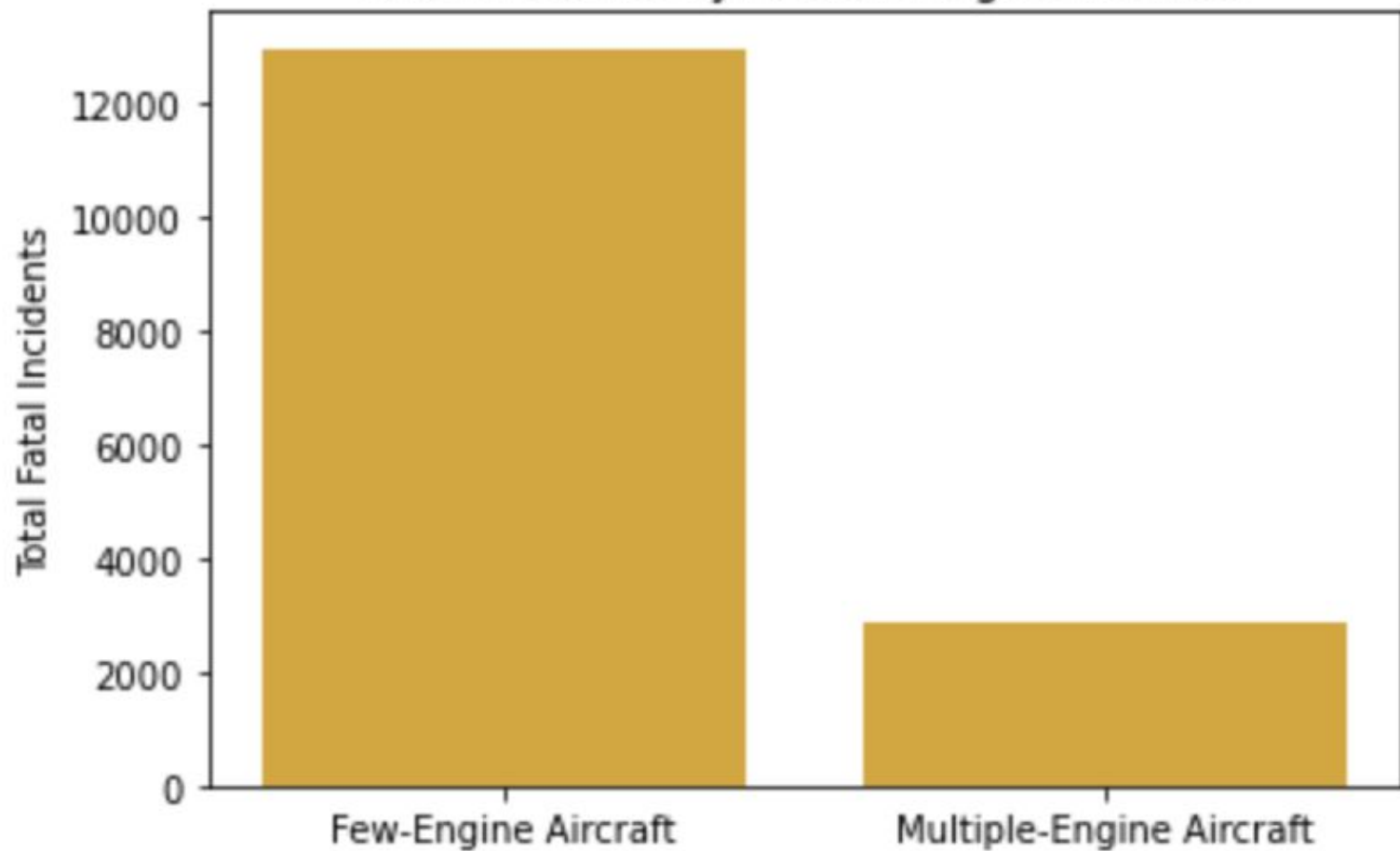
# Data Analysis



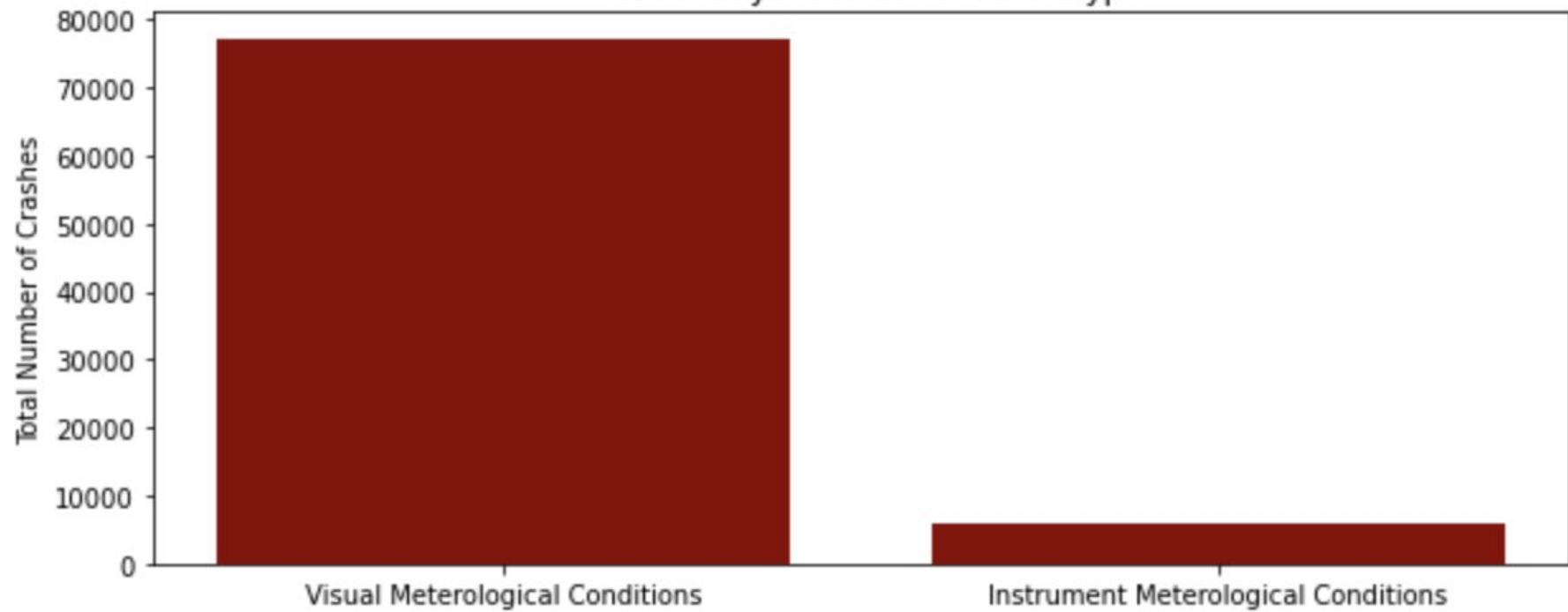
Fatal Incidents by Aircraft Build Type



Fatal Incidents by Aircraft Engine Number



Incidents by Weather Condition Type







# Recommendations





# Reducing Fatal Incidents and Incidents Overall

- Utilize professional, multi-engine aircraft whenever possible
- Utilize instruments whenever possible



# Questions?

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