

## Data Dictionary

Name	Description	Data Type	Example Value
Type	Aircraft model involved in the accident	string	Douglas C-47A
Fatalities	Number of deaths per accident	interger	5
Year	Year the accident occurred	Interger	1962
Country	Country where the accident took place	string	United States

## EDA Summary

- Dataset Overview: This analysis uses NTSB aviation accident data, containing 23,850 unique accident records from 1962 to 2023, cleaned to ensure data integrity.
- Key Findings: The dataset reveals high-risk aircraft types such as Douglas C-47A with 1,916 accidents, while low-risk types include Vought-Sikorsky VS-44 with 1 accident.
- Visualizations: The bar chart compares accident counts, highlighting Vought-Sikorsky VS-44 at 1 versus Douglas C-47A at 1,916. The line chart tracks accident trends over time, showing fluctuations. The map visualizes accident distribution by country, indicating regional patterns.
- Recommendations: Based on the analysis, the following aircraft are recommended as low-risk: Vought-Sikorsky VS-44, Ilyushin Il-76MD Simorgh, and Savoia-Marchetti SM-75RT, each with only 1 accident.”