

# Phase 1 Project Proposal

Aviation Accident Analysis

# Business Problem

- Our company wants to enter the aviation industry but lacks safety insights.
- Task: Analyze accident data to identify safer aircraft for investment.

# Dataset

- Source: NTSB (1962–2023)
- - Aircraft make & model
- - Accident dates
- - Injury counts (fatal, serious, minor)

# Objectives

- - Clean and prepare dataset
- - Identify makes/models with most accidents
- - Analyze fatalities over time
- - Compare injury outcomes
- - Give 3 actionable recommendations

# Deliverables

- - Jupyter Notebook (.ipynb + .pdf)
- - Presentation (.pptx + .pdf)
- - Interactive Dashboard (Streamlit)
- - README.md (overview)