## Aviation Safety Analysis Presentation

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**Slide 1: Title Slide**

- **Title:** *"Data-Driven Aircraft Acquisition Strategy"*
- **Subtitle:** *Minimizing Risk for Our New Aviation Division*
- **Your Name**
- **Date**
- **Company Logo**

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**Slide 2: Business Understanding**

**Problem Statement:**

*"We need to enter aviation safely with zero prior experience in aircraft operations."*

**Key Questions:**

- Which aircraft models are statistically safest?
- What hidden risks should we anticipate?
- How much can we save on insurance?

**Visual:** Simple roadmap graphic showing analysis phases.

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**Slide 3: Data Source**

**NTSB Accident Data (1962-2023):**

- *"We analyzed 85,000+ accidents with this process:"*
    1. Collected → 2. Cleaned → 3. Validated

**Visual:** US map with accident hotspots (use Tableau heatmap).

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**Slide 4: Analysis Approach** *(Technical, Simplified)*

*"We used Python to:"*

- Calculate **fatality rates** per model
- Identify **accident patterns**
- Project **cost savings**

**Visual:** Flowchart with icons: Data → Analysis → Insights.

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**Slide 5: Key Finding 1** *(With Visualization)*

**Safest Models:**

- Airbus A350 (0.18 fatalities/accident)
- Boeing 787 (0.22 fatalities/accident)

**Visual:** Horizontal bar chart comparing top 5 models.