

Aircraft Risk Analysis and Fleet Selection Strategy

Strategic Recommendations for Safer
Fleet Acquisition

Key Findings

- 1. Regional Analysis:
 - - Focused on North and South America. U.S. and Brazil have higher accident rates.
 - - Understanding underlying causes is crucial.
- 2. Aircraft Damage Analysis:
 - - Less severe damage correlates with lower fatality rates and higher survivability.

Recommendations (Part 1)

- 1. Prioritize Aircraft with Lower Risk Scores:
 - - Focus on aircraft with lower fatal injury rates and higher survivability rates.
- 2. Focus on Safer Aircraft Types:
 - - Invest in aircraft with fewer fatalities, even if incidents are more frequent.
- 3. Evaluate Safety Protocols in Key Regions:

Recommendations (Part 2)

- 4. Target Aircraft with Higher Survivability:
 - - Aircraft with consistent survivability across incidents should be prioritized.
- 5. Consider Temporal Trends:
 - - Monitor trends to identify aircraft showing improvements in safety over time.
- 6. Track Regional Risk Variations:

Next Steps for the Company

- - Pilot Test: Start with a small fleet from low-risk categories and monitor.
- - Insurance Assessment: Collaborate with insurers to align premiums with risk.
- - Safety Improvements: Partner with manufacturers to enhance safety features.
- - Continuous Monitoring: Regularly update risk scores and adjust strategies.