

Aviation Risk Insights: Guiding Safe Aircraft Investment

A data-driven approach to help our company safely enter
the aviation industry.

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Date: 26/07/2025

Why This Matters

Objective:

As we expand into commercial and private aviation, selecting the right aircraft is critical to:

- - Minimize safety risks
- - Protect reputation and compliance
- - Ensure long-term operational success

We analyzed real-world aviation incident data to guide safe, smart investments.

What We Did

Approach Summary:

- - Reviewed thousands of aircraft incident records
- - Cleaned and analyzed key safety data
- - Identified low-risk aircraft models
- - Created a visual dashboard for easy decision-making

All findings are based on verified historical data.

Key Risk Indicators

We assessed aircraft models based on:

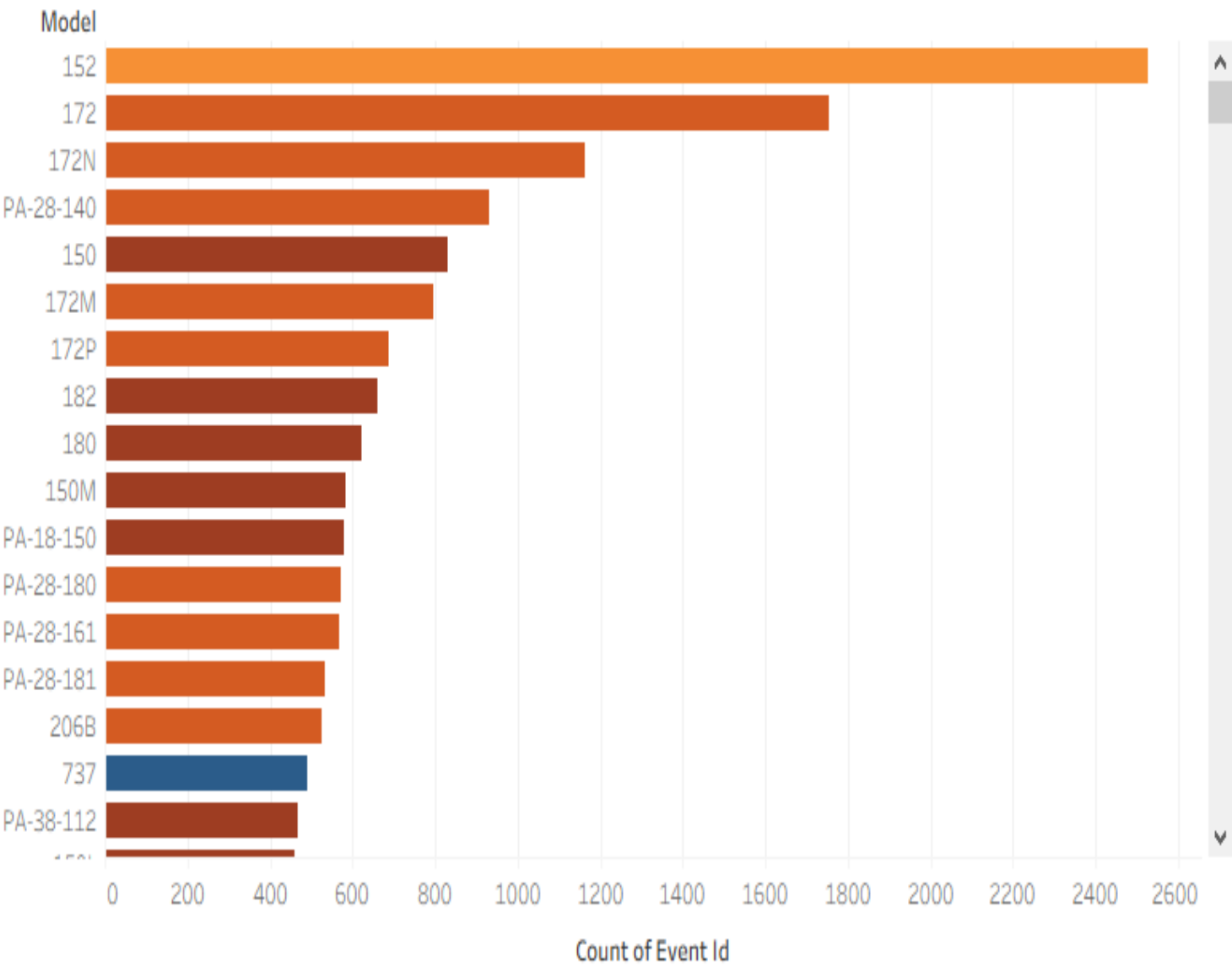
- - Total incidents: Frequent issues raise red flags
- - Fatalities: Indicates severity of incidents
- - Damage level: Higher repair/downtime costs
- - Weather & flight phase: Context of risk

Top Low-Risk Aircraft Models

These aircraft had:

- - Fewer than average accident counts
- - Low or zero fatal incidents
- - Mostly minor or no damage reports
- - Good candidates for purchase

Top Aircraft Models by Number of Accidents



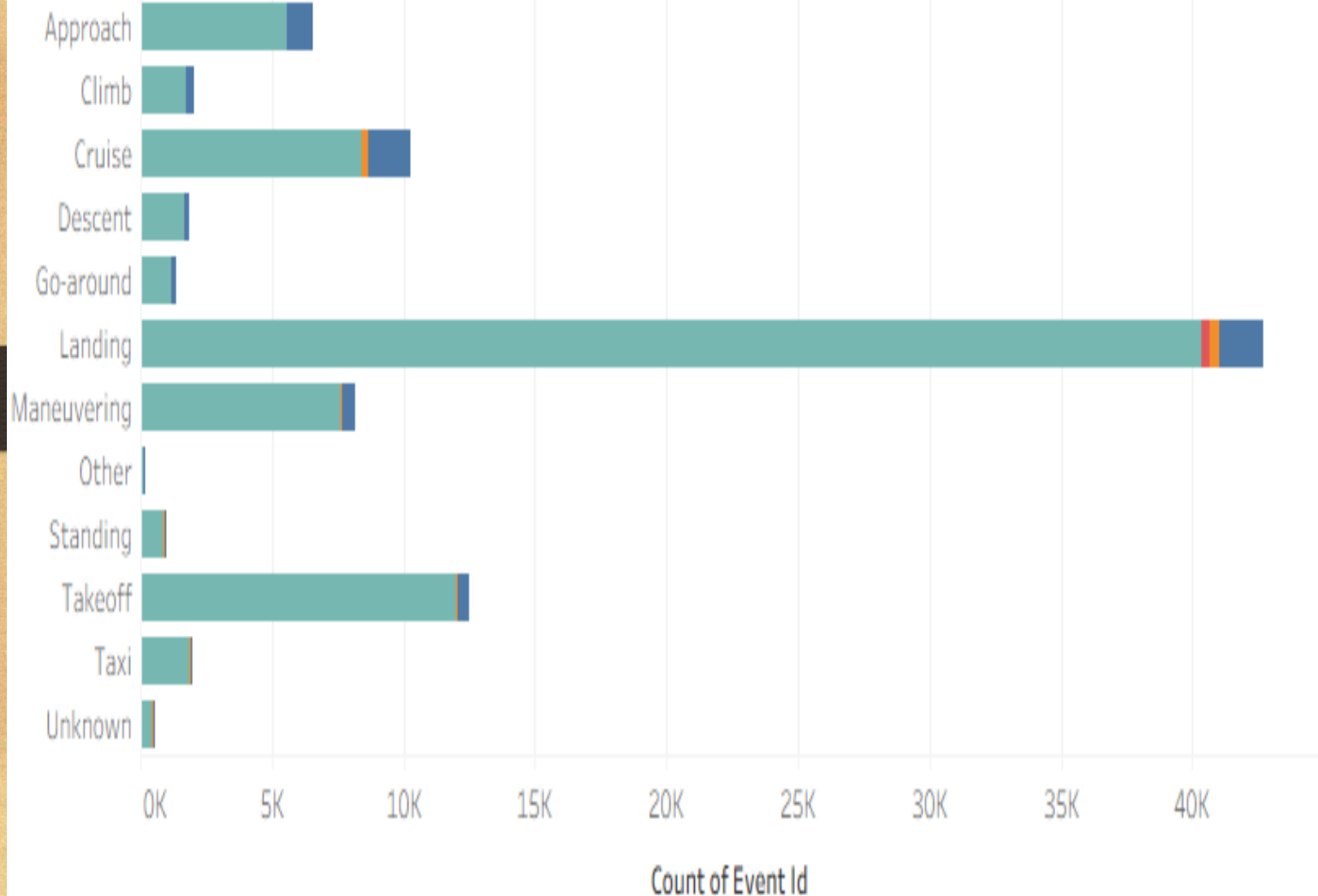
Risk Factors to Watch

Common risks observed:

- - Most accidents occur during takeoff and landing
- - Adverse weather (fog, storms) increases incident rates
- - Certain models show repeated issues under stress

Accidents by Phase of Flight

Broad Phas..



Business Recommendations

Do:

- - Shortlist aircraft with strong safety records
- - Match aircraft type to expected route and weather conditions
- - Use our dashboard to explore specific models and scenarios

Avoid:

- - Models involved in frequent or severe accidents
- - Blindly trusting popularity without performance data

What's Next?

Further steps:

- - Validate findings with maintenance and operational cost data
- - Consider pilot feedback and manufacturer support
- - Explore financing options for shortlisted models
- Tableau Dashboard available for ongoing exploration.

Thank You!

*Let's fly smart from the
start.*

Questions?

We welcome feedback and are ready to support the next steps in our aviation journey.