# AVIATION SAFETY DASHBOARD ANALYSIS

**Executive Summary** 



## AGENDA

- 1. Overview of Aviation Safety Metrics
- 2. Fatalities and Accidents Analysis
- 3. Incidents Overview
- 4. Airline-Specific Insights
- 5. Recommendations for Safety Improvement



#### OVERVIEW OF AVIATION SAFETY METRICS

- Brief explanation of key safety metrics included in the dashboard
- Importance of analyzing fatalities, accidents, and incidents in aviation

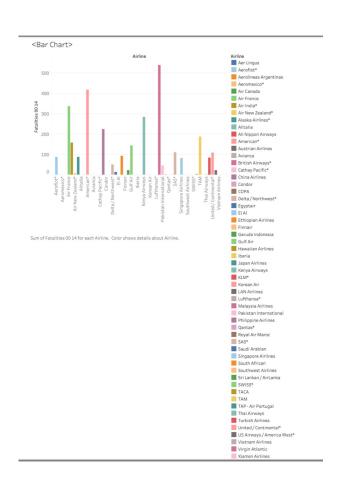


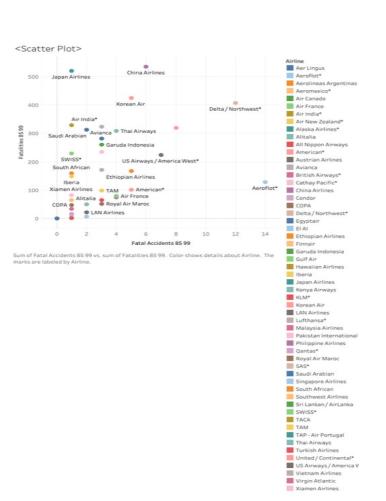
#### FATALITIES AND ACCIDENTS ANALYSIS

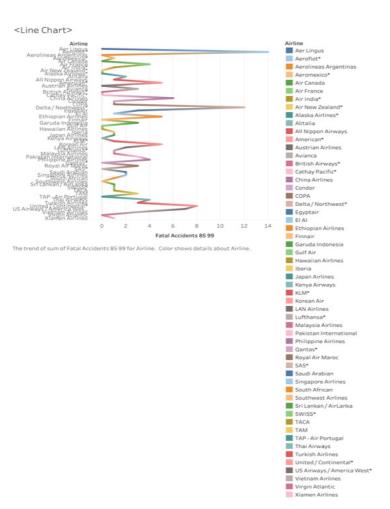
- Bar Chart: Sum of Fatalities (00-14) for Each Airline
  - Insights into airlines with the highest and lowest fatalities
- Scatter Plot: Sum of Fatal Accidents (85-99) vs Sum of Fatalities (85-99)
  - Correlation analysis and identification of outliers
- Line Chart: Trend of Sum of Fatal Accidents (85-99) by Airline
  - Highlighting patterns and trends over time



# BAR CHART, SCATTER PLOT & LINE CHART







# INCIDENTS OVERVIEW

- Pie Chart: Sum of Incidents (85-99) Distribution
  - Share of incidents across different categories
- Heat Map: Sum of Incidents (85-99) for Each Airline
  - Visualizing the concentration of incidents for each airline
- Packed Bubble Chart: Sum of Incidents (85-99) by Airline
  - Providing a comparative view of incidents among airlines



# PIE CHART, HEAT MAP, & PACKED BUBBLE

Aer Lingus

Aeroflot\*
Aerolineas Argentinas

Aeromexico\*

Air New Zealand\*

All Nippon Airways

Austrian Airlines

British Airways\*

Cathay Pacific\*

China Airlines

■ Delta / Northwest\*

Ethiopian Airlines

Garuda Indonesia

Hawaiian Airlines

Japan Airlines

Kenya Airways

Alaska Airlines\*

Air Canada

Air France

Air India\*

Alitalia

American\*

Avianca

Condor

Egyptair

COPA

ELAI

Finnair

Gulf Air

Iberia

KLM\*

Korean Air

I LAN Airlines

Lufthansa\*

Oantas\*

SAS\*

SWISS\*

TACA

TAM

Malaysia Airlines

Philippine Airlines

Singapore Airlines

Southwest Airlines

TAP - Air Portugal

United / Continental\*

US Airways / America West\*

Thai Airways

Turkish Airlines

■ Vietnam Airlines

Virgin Atlantic

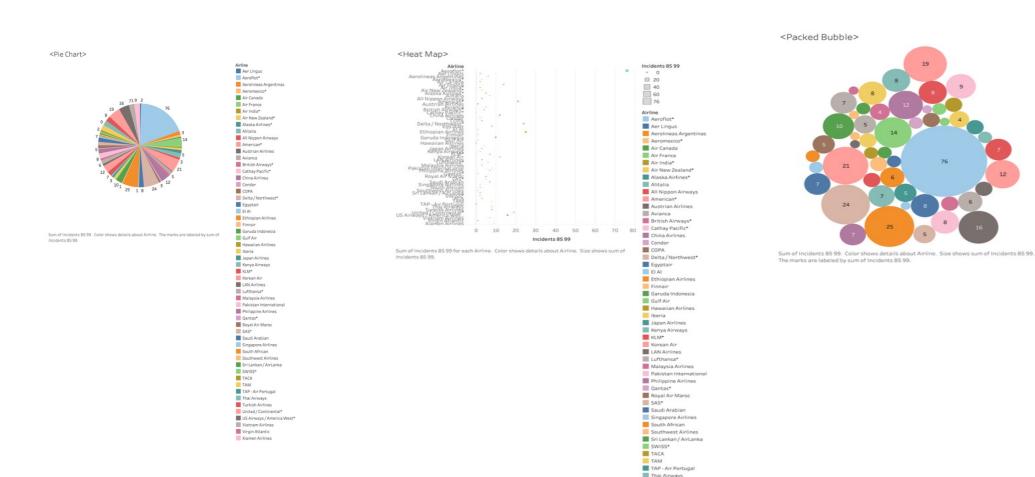
Xiamen Airlines

Sri Lankan / AirLanka

South African

Royal Air Maroc

Pakistan International



Turkish Airlines

Vietnam Airlines
Virgin Atlantic
Xiamen Airlines

United / Continental\*

US Airways / America West\*

### AIRLINE-SPECIFIC INSIGHTS

- Specific insights for each airline:
  - Notable achievements in safety
  - Areas for improvement based on incident patterns
  - Comparative analysis with industry benchmarks



#### RECOMMENDATIONS FOR SAFETY IMPROVEMENT

- Strategies for enhancing safety measures:
  - Learning from best-performing airlines
  - Implementing preventive measures based on incident analysis
  - Collaboration with industry experts for safety enhancements



# Q&A QUESTIONS AND ANSWERS

Open the floor for questions and discussions



# CLOSING SLIDE: THANK YOU

- Express gratitude for their time and attention
- Contact information for further inquiries



