Global Aircraft Crash Analysis (2000–2024)

A data-driven investigation into aircraft crash trends, causes, and manufacturer risks.

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Tools Used: MySQL, Power BI, Excel

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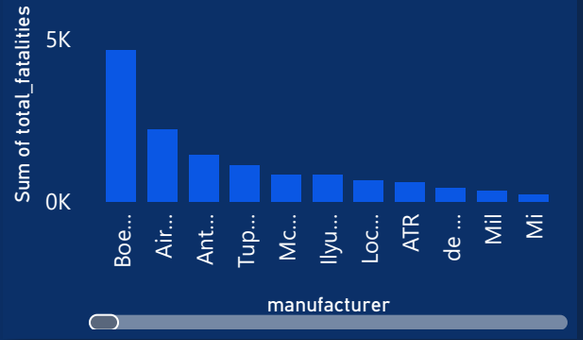
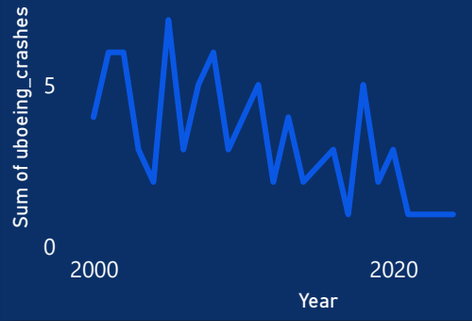
Aviation Crash Analysis (2000–2024)

775	18K	79	4.67K	10.19%	2005
Total Crashes	Total Fatalities	Boeing Crashes	Boeing Fatalities	Boeing Crash % vs Others	Max_Crash_Year

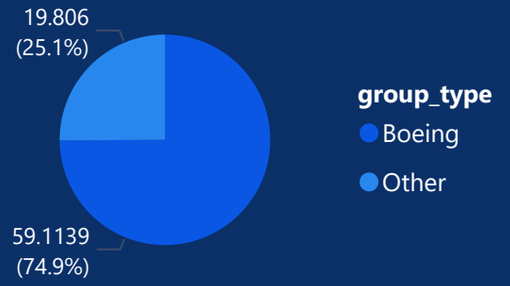
Total Fatalities by Manufacturer



Crashes by Year (2000–2024)



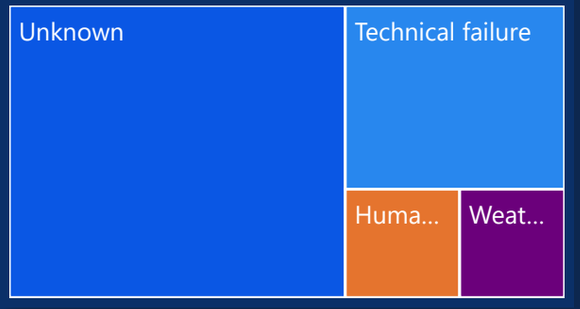
Average Fatalities (Boeing vs Others)



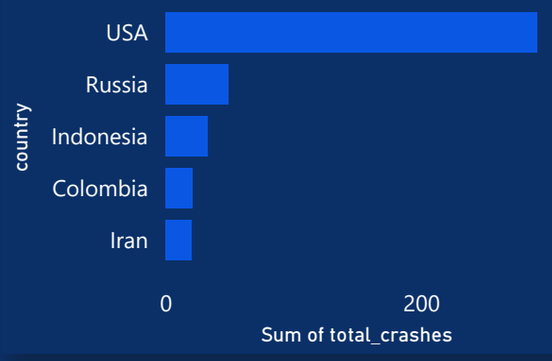
Key Insights (2000–2024):

- Boeing made up 10.2% of global aircraft crashes.
- Most crashes occurred in USA, Russia and Indonesia.
- Boeing 737 was the most crash-involved model.
- Average fatalities per Boeing crash were higher than others.
- 2005 saw the highest number of crashes in the 25-year period

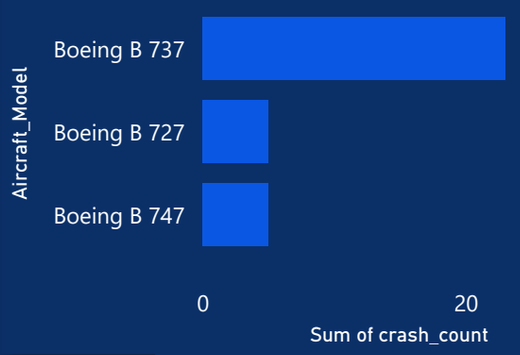
Sum of cause_count by crash_cause



Crashes by Country



Crashes by Model (Boeing)



Crash Cause Breakdown

- Unknown and Technical Failure were the most common crash causes.
- Human Error was a significant contributor, especially in developing regions.
- Weather-related crashes were rare but often deadly.
- Boeing crashes had a higher share of technical failures.