



GLOBAL AVIATION ACCIDENT DATABASE

**Analyzing Aviation Accidents and
Incidents for Enhanced Safety Insights**

1984 - 2022



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Home

Overview

Insight Analysis

AI & ML

Insights & Recommendations

TOTAL ACCIDENTS AND INCIDENTS BY COUNTRY

TOTAL AIRCRAFT

TOTAL AIRPORTS

TOTAL TRIPS

78,854

21,509

88,555

TOTAL ACCIDENTS

TOTAL FATALITIES

TOTAL MINOR INJURIES

84,734

49,927

27,312

PAGE FILTERS

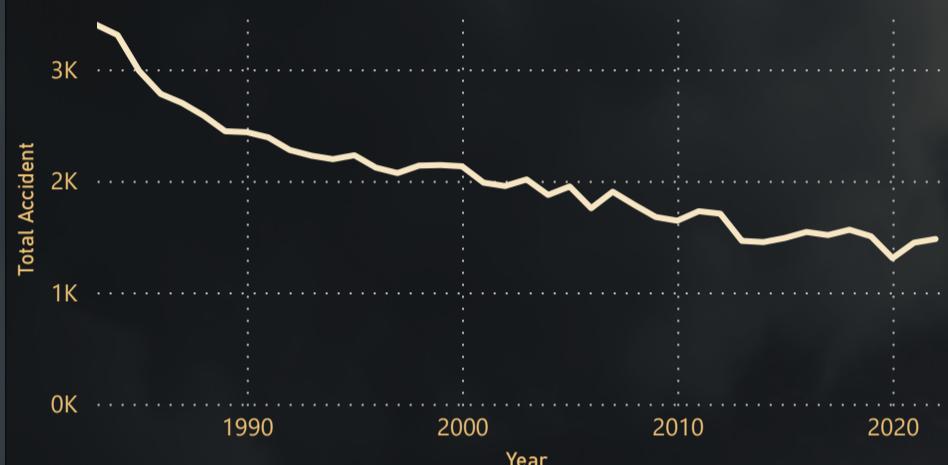
Country

All

Year

All

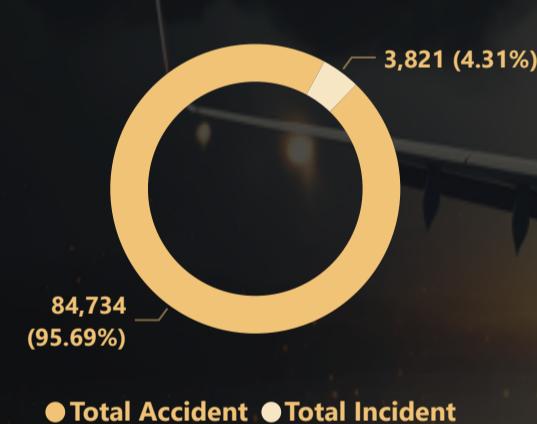
Total Accident by Year



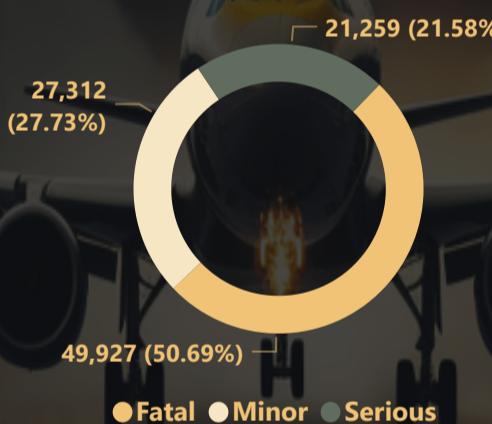
Total Incident by Year



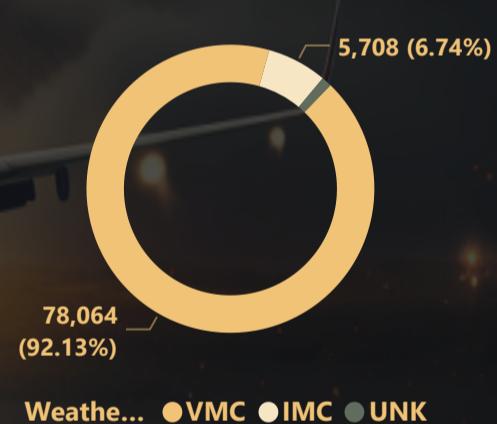
Total Accident and Total Incident



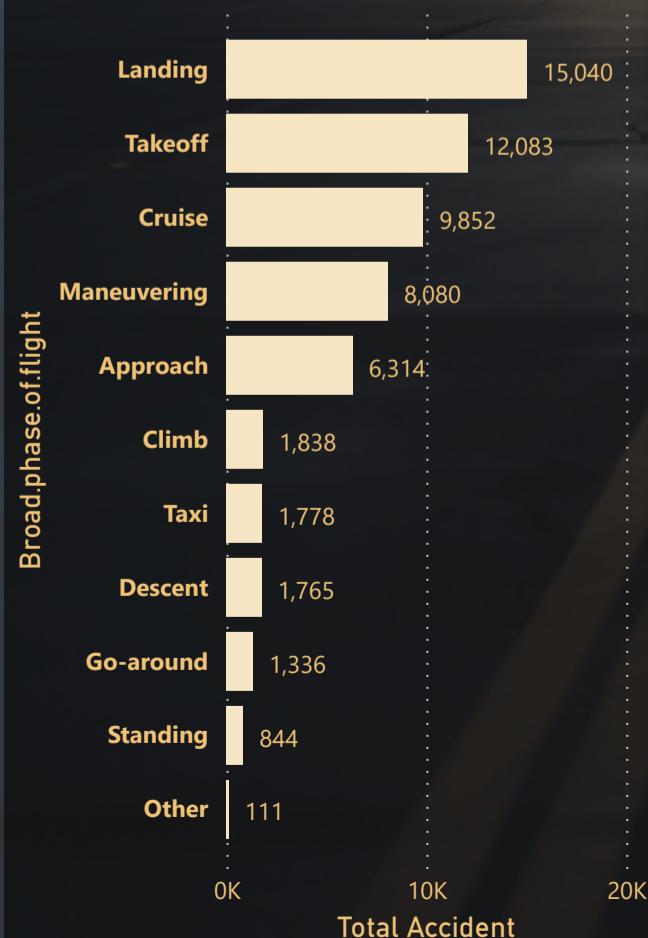
Fatal, Minor and Serious Injuries



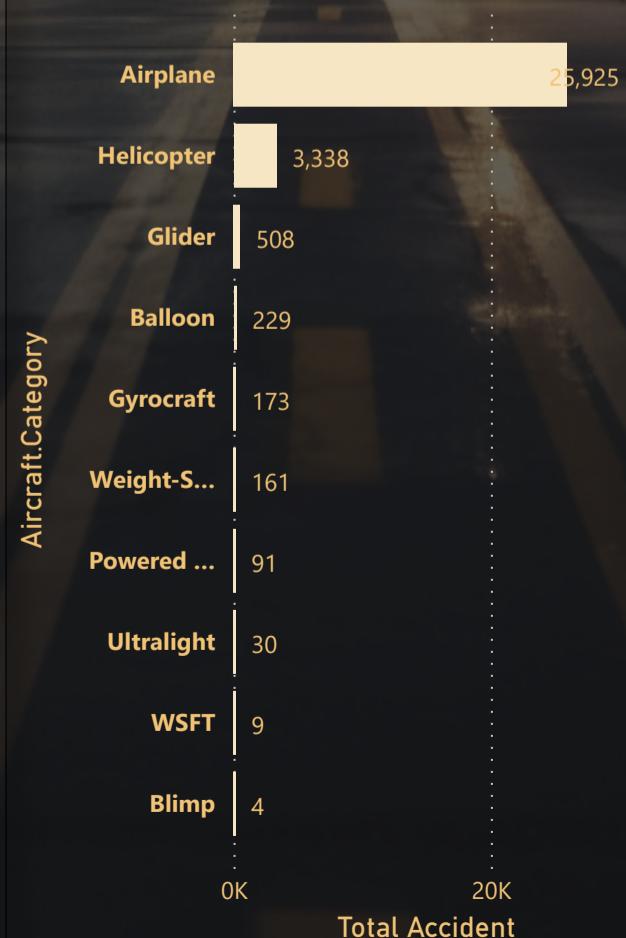
Total Accident by Weather Condition



Total Accident by Broad.phase.of.flight

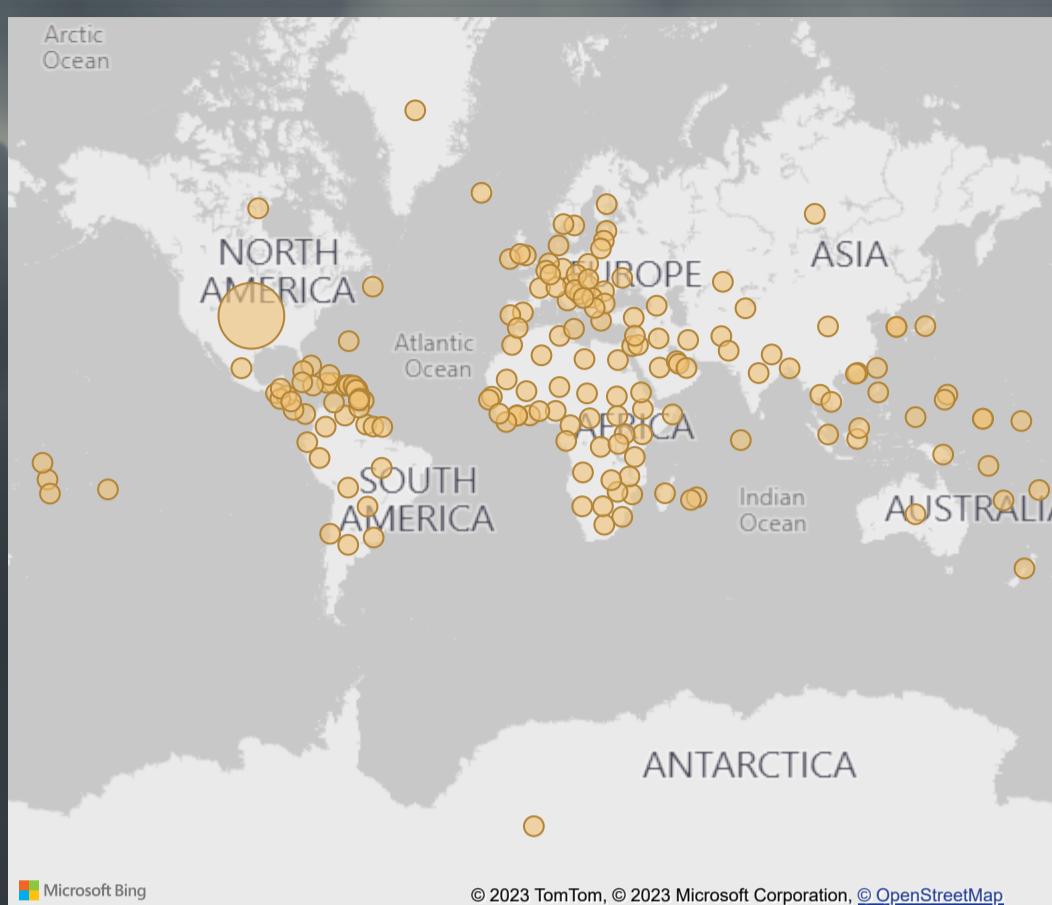


Total Accident by Aircraft.Category

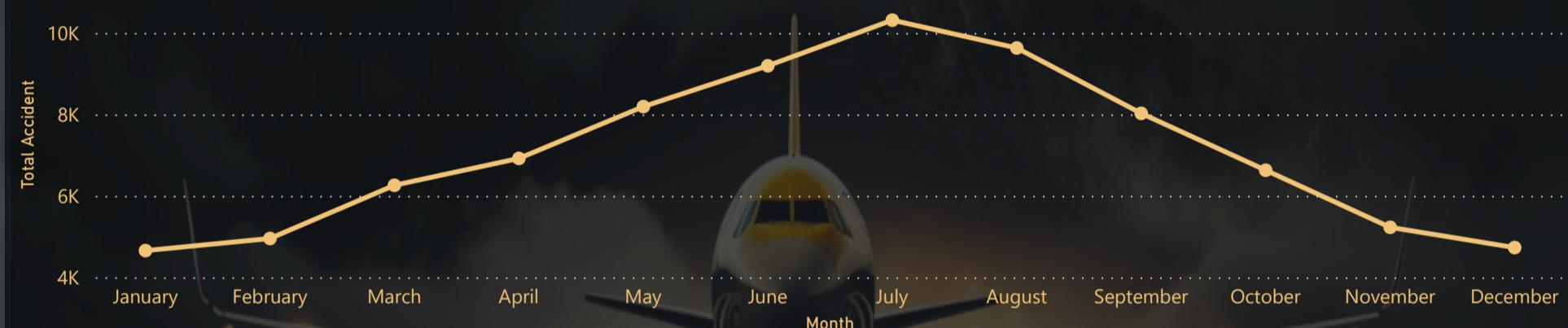


Total Accident by Purpose of Flight

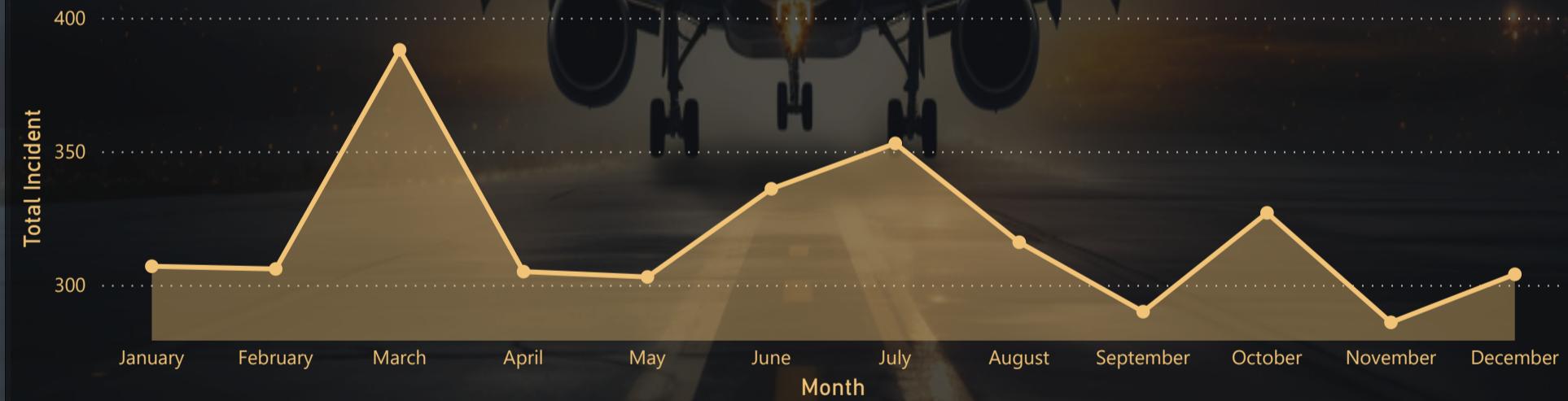




Total Accident by Month



Total Incident by Month



TOP 10 AIRPORTS WITH HIGHEST ACCIDENTS



Key influencers Top segments
👍
👎
What influences Total Accident to Increase ▼ ?

When...

....the average of Total Accident increases by

Year is more than 2007

0.96

Aircraft.Category is Airplane

0.91

Broad.phase.of.flight is Unknown

0.71

Weather.Condition is VMC

0.69

Month is July

0.34

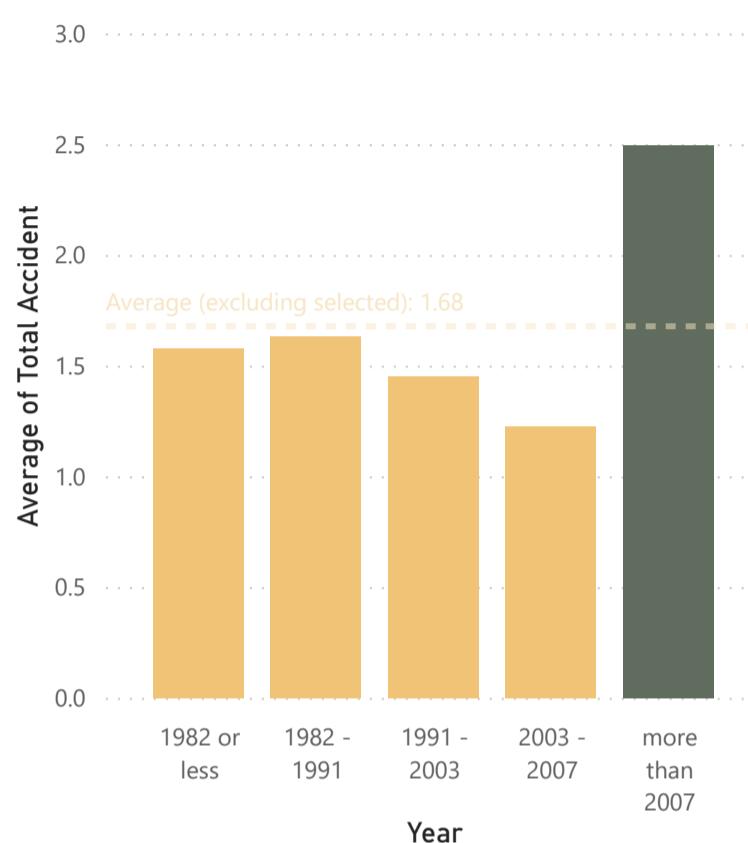
Broad.phase.of.flight is Landing

0.31

Quarter is Qtr 3

0.31

← Total Accident is more likely to increase when Year is more than 2007 than otherwise (on average).

**Key influencers Top segments**
👍
👎
What influences Total Incident to Increase ▼ ?

When...

....the average of Total Incident increases by

Year is more than 2014

0.1

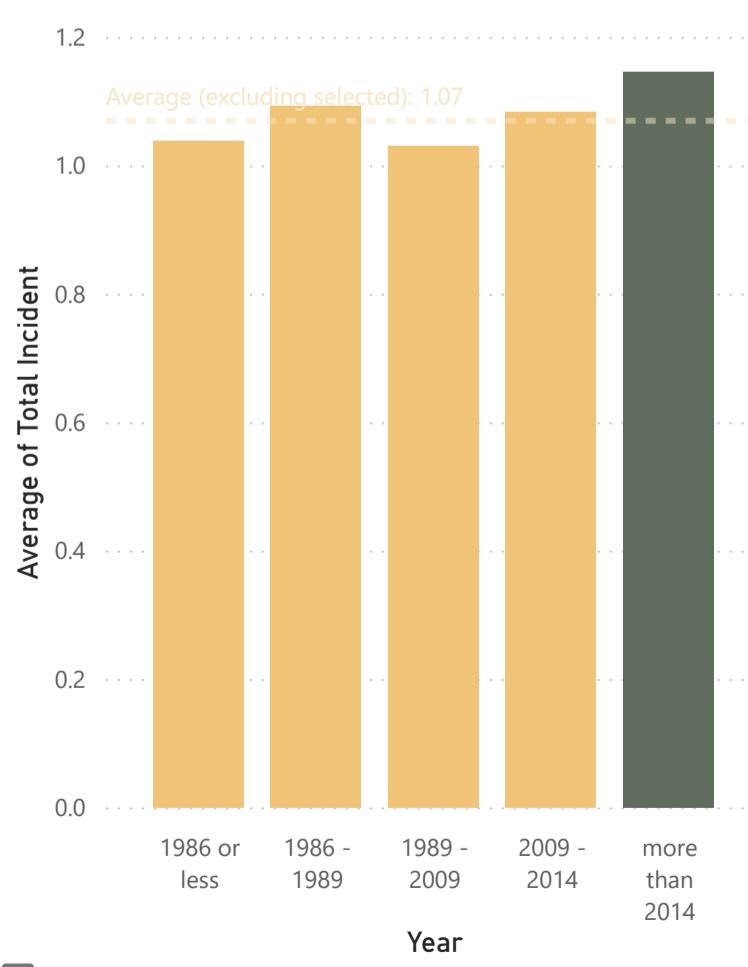
Aircraft.Category is Airplane

0.07

Weather.Condition is VMC

0.06

← Total Incident is more likely to increase when Year is more than 2014 than otherwise (on average).





Accidents show a discernible seasonal pattern, with higher frequencies observed during the middle of the year, particularly in June. Further investigation into the underlying causes of this pattern is recommended to inform safety measures during these months.



Recent years have shown a significant decline in total accidents, indicating the effectiveness of implemented safety measures. However, the trend for incidents remains unstable, necessitating further investigation to understand contributing factors.

Top 5

Analysis reveals that Private, Private Airship, Private Strip, Merrill Field, and Centennial are the top five airports with the highest accident rates. These findings warrant a closer examination of these airports, considering factors such as traffic volume, infrastructure, and safety protocols to identify improvement opportunities.

59,869

The United States has recorded the highest number of accidents, with a total of 59,869 accidents.

Top 5

The top five aircraft categories associated with the highest number of accidents: Airplanes, Helicopters, Sliders, Balloons, and Cyracraft. Further exploration of accident rates within each category is recommended to identify specific areas for safety enhancements and targeted interventions.

1996

The year 1996 had the highest amount of fatal casualties with a total of 2,525 people.

Top 5

Landing, Takeoff, Cruise, maneuver, and Approach are the top five broad phases associated with the highest number of accidents.

1984

The year 1984 experienced the highest number of accidents within the provided dataset. A detailed examination of the contributing factors and specific events during that year would provide valuable insights to inform safety measures and mitigate risks effectively.

