

# **AIRPLANE CRASH ANALYSIS**



**Mentorness Internship  
Project**

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Batch: MIP-DA-06

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**PROBLEM STATEMENT**

**DASHBOARDS –**

**1.Temporal Analysis**

**2.Geospatial Analysis**

**3.Fatality Analysis**

**SUMMARY**

## **PROBLEM STATEMENT :-**



**The Internship Focuses on conducting a comprehensive analysis of airplane crashes and fatalities from 1980 to 2023.**

**Our Goal is to use PowerBI tool for interactive visualisations and in depth insights to understand aviation incidents.**

# Temporal Analysis

Location wise Fatalities

All

Quarter wise Fatalities

All

55K

Sum of Fatalities

6418

Sum of Ground

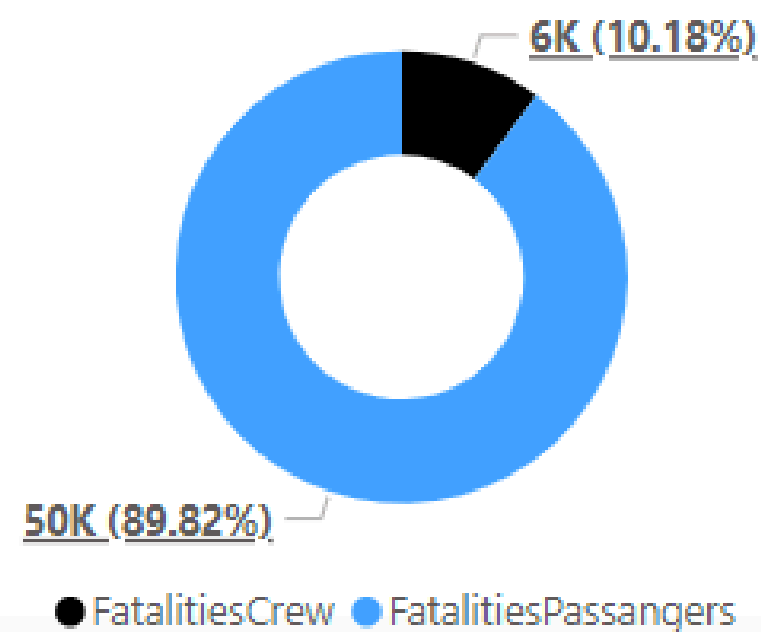
50K

Sum of FatalitiesPassangers

5643

Sum of FatalitiesCrew

## Sum of Fatalities Crew and Fatalities Passangers



## Sum of Fatalities by Year



# Location and Fatalities



## Geospatial Analysis

Operator

All

610

Count of Operator

ACType

All

728

Count of ACType

Flight

All

1067

Count of Location

# Fatality Analysis

Flight

All

Route

All

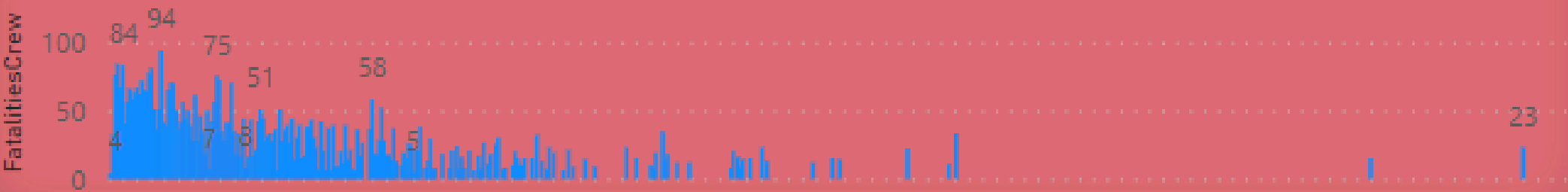
## Fatalities by ACType



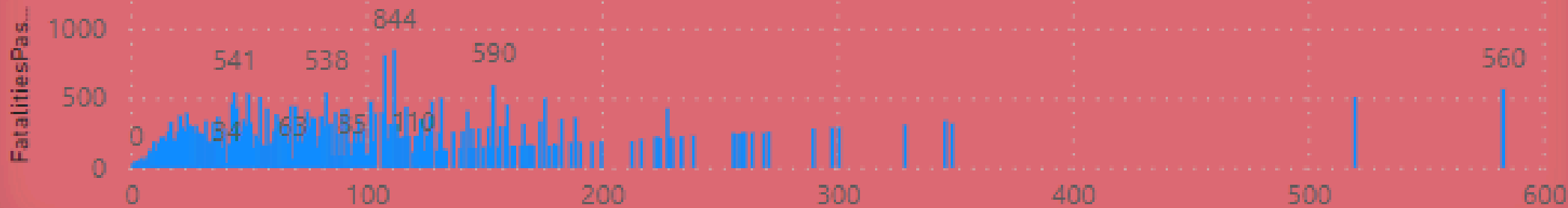
## Fatalities by Registration



## FatalitiesCrew by Fatalities



## FatalitiesPassangers by Fatalities



# SUMMARY

Our project revolves around conducting a comprehensive analysis of airplane crashes and fatalities spanning from 1980 to 2023, with the primary aim of leveraging insights to enhance aviation safety and mitigate risks. The dataset encompasses crucial details such as crash dates, locations, operators, flight specifics, aircraft types, and fatality statistics. Employing robust data analytics tools like Power BI into temporal trends, incident severity, and factors contributing to fatalities.

Through interactive visualizations, we dissect geospatial patterns, analyze route incidents, and scrutinize the involvement of specific aircraft types. Moreover, our data cleaning process ensures accuracy and consistency, while the addition of categorical columns like Region, Country, and Category the dataset for deeper analysis. By synthesizing these insights, we endeavor to provide stakeholders with actionable information for proactively enhancing aviation safety standards, ultimately contributing to a safe air travel environment.



***Thank  
you!***