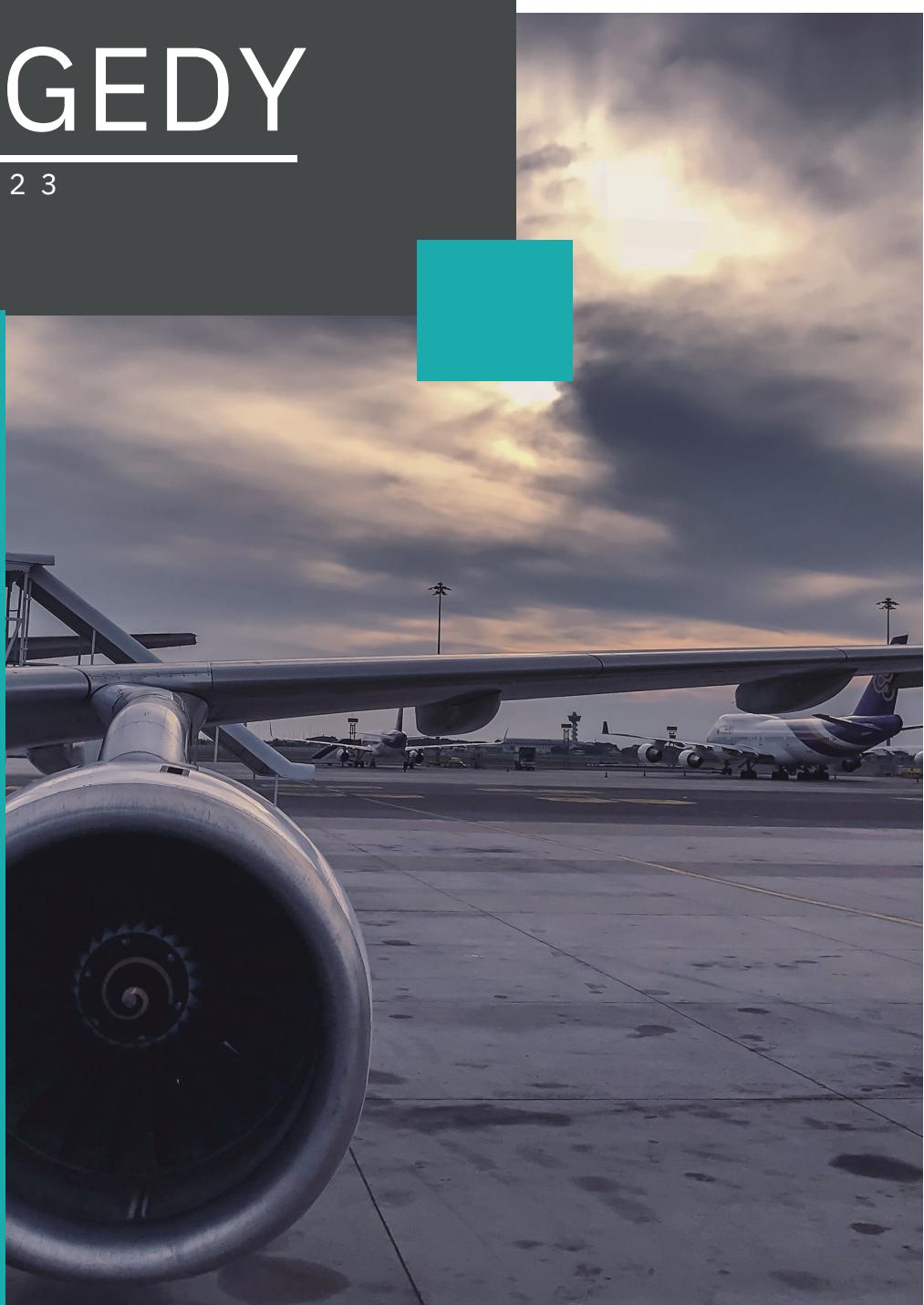


# AIR TRAGEDY

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# The Tragedy of flight : A Comprehensive Crash Analysis



## A Project Report

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SALEM-10

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# **INTRODUCTION**

## **1.1. Overview**

Plane travel is the fastest modes of transportation. However the accident may happen. Accidents rate may reduce in recent years, but in private airline and helicopter flights may change that trend. The national transportation safety board estimated a total of nearly 24 million flights hours of these 24 million hours, 9.8 aviation accidents per one lakh hours in 1994. It is high for private flights but document for private flights are more difficult due to proper non reporting.

## **1.2.Purpose**

The purpose of conducting aviation analysis used to determine information about the aircraft and a system cause of error for that incident and any other relevant factors. The data is collected from airplane crash. The collected data is analysed through tableau to identify any potential cause of accident and also is easy visualization of complete report. These visualization report preventing the similar accidents in future

# problem Definition & Design Thinking

## 2.1. Empathy Map



(ii)

## 2.2. Ideation and Brainstorming Map

**Template**


Brainstorm & idea prioritization

Use this template in your own brainstorming sessions so your team can unleash their imagination and start shaping concepts even if you're not sitting in the same room.

10 minutes to prepare  
1 hour to collaborate  
2-8 people recommended

Share template feedback

**2** Brainstorm

Write down any ideas that come to mind that address your problem statement. 10 mins

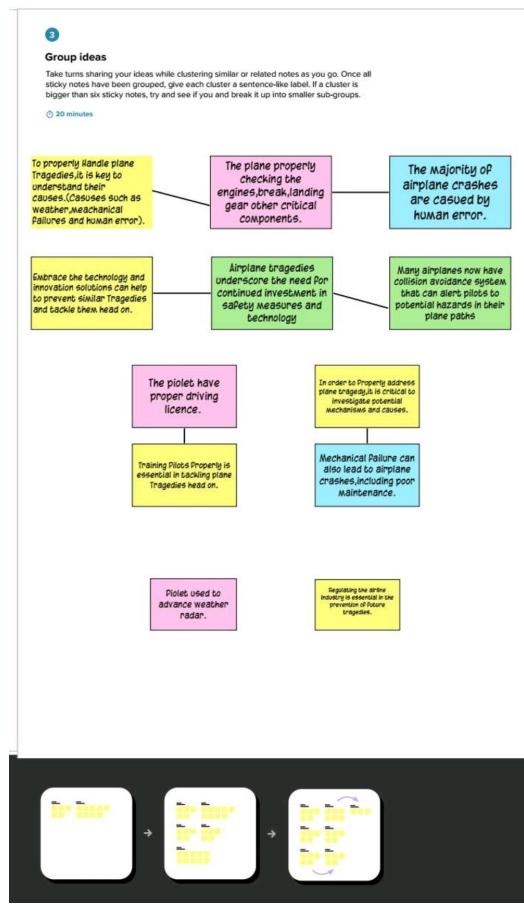
Arunkumar	Azhagilmathan	Anandhi	Ganapathi
Advanced the technology and innovation in aircraft maintenance and make them more efficient.	Advanced in technology have made it very difficult to fly before.	The pilot have proper driving licence.	The plane properly checking the engines, break, landing gear other critical components.
Mechanical failure can also lead to airplane crashes including poor maintenance.	weather can also cause mechanical failures in aircraft when it builds upon weather on aircraft.	Mechanical failure can also lead to airplane crashes including poor maintenance.	weather can also cause mechanical failures in aircraft when it builds upon weather on aircraft.

Need some inspiration? See a finished version of this mural to kickstart your work. Open example →

**3** Group ideas

Take turns sharing your ideas while clustering similar or related notes as you go. Once all sticky notes have been grouped, give each cluster a sentence-like label. If a cluster is bigger than six sticky notes, try and see if you and break it up into smaller sub-groups.

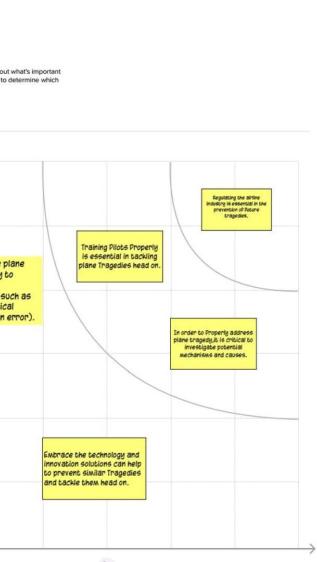
20 minutes



**4** Prioritize

Your team should all be on the same page about what's important moving forward. Place your ideas on this grid to determine which ideas are important and which are feasible.

20 minutes



Quick add-ons

**Share the mural** Share a view link to the mural with stakeholders to keep them in the loop about the outcomes of the session.

**Export the mural** Export a copy of the mural as a PNG or PDF to attach to emails, include in slides, or save in your drive.

**Keep moving forward**

- Strategy blueprint** Define the components of a new idea or strategy. Open the template →
- Customer experience journey map** Understand customer needs, motivations, and obstacles for an experience. Open the template →
- Strengths, weaknesses, opportunities & threats** Identify strengths, weaknesses, opportunities, and threats (SWOT) to develop a plan. Open the template →

Share template feedback

(iii)

# RESULT

## NM2023TMID22914

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### Airplane Crash analysis

### Airplane Crashes and Fatalities Since 1908

[Get Started](#) [Watch Video](#)

### About Project

Exploring plane tragedy through thought and emotion requires connecting with it on an emotional level by understanding the feelings caused. Examining the fear, loss, and grief associated with such tragedies deepens our compassion and strengthens the need to proactively create safety measures.

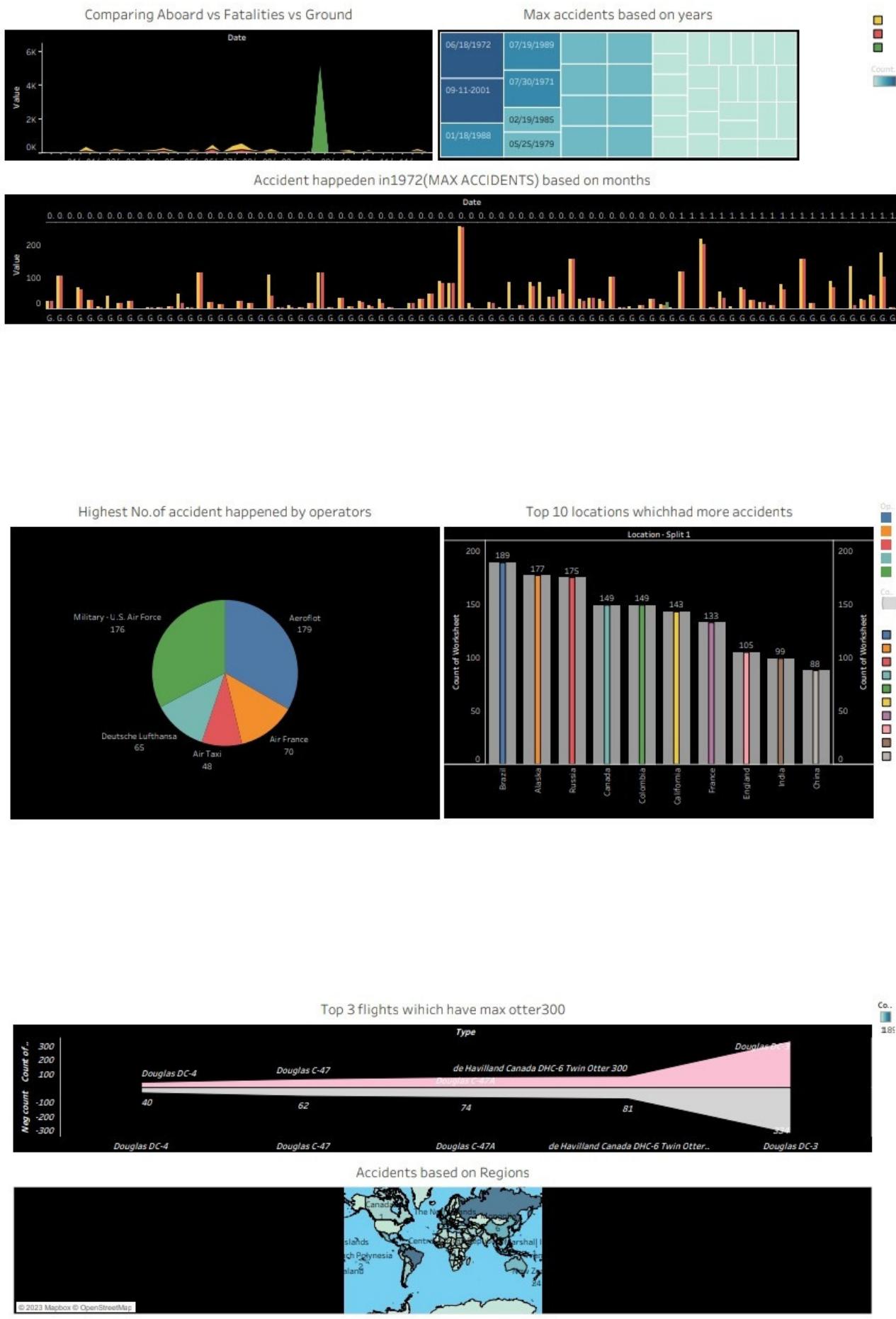
- a) a person is fatally or seriously injured,
- b) the aircraft sustains significant damage or structural failure, or
- c) the aircraft goes missing or becomes completely inaccessible

an emotional level by understanding the feelings caused. Examining the fear, loss, and grief associated with such tragedies deepens our compassion and strengthens the need to proactively create safety measures.

- a) a person is fatally or seriously injured,
- b) the aircraft sustains significant damage or structural failure, or
- c) the aircraft goes missing or becomes completely inaccessible.

This dataset includes:

- All civil and commercial aviation accidents of scheduled and non-scheduled passenger airliners worldwide, which resulted in a fatality (including all U.S. Part 121 and Part 135 fatal accidents)
- All cargo, positioning, ferry and test flight fatal accidents.
- All military transport accidents with 10 or more fatalities.
- All commercial and military helicopter accidents with greater than 10 fatalities.
- All civil and military airship accidents involving fatalities.
- Aviation accidents involving the death of famous people.



(v)

## **ADVANTAGES:**

- Increased safety measures
- Improved Aviation Technology
- Improved National security Measures
- Tightened aircraft maintenance standards
- Enhanced passenger safety protocols

## **DISADVANTAGES:**

- There is no age data of plane
- Didn't have pilot experience data
- Didn't have the data of flying duration of flight

## **APPLICATION:**

- Importance of Incident Analysis
- Aviation Regulations and Safety Standards
- Human Factor in Aviation Safety
- Technical Errors and Failures

## **CONCLUSION:**

The maximum air plane has been happened in the year in 1972. The u.s.air force is the major operator that forces many air crash all over the world.In country wise top most that faces many passengers air crash in Brazil. Tabuleau software provide the in-depth understanding of air plane crash with good visualization and also provides sufficient knowledge in a single dashboard.

## **FUTURE SCOPE:**

The data of plane age, plane traveling duration and pilot experience data would be good to have all this data in future.

*Thank You*