AIR TRAGEDY

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The Tragedy of flight : A Comprehensive Crash Analysis

A Project Report

Submitted by

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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.

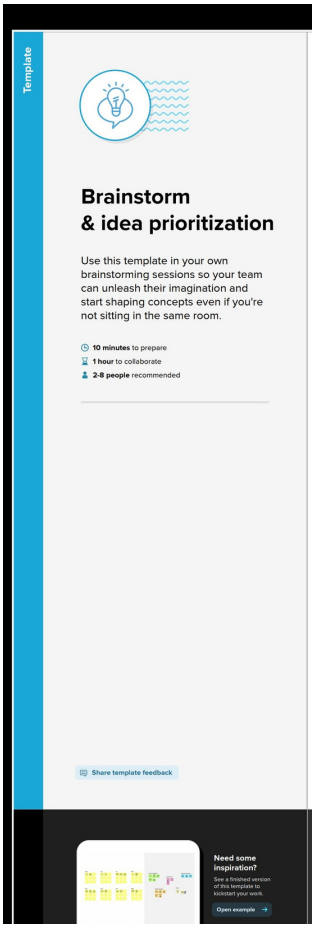
1.2.Purpose

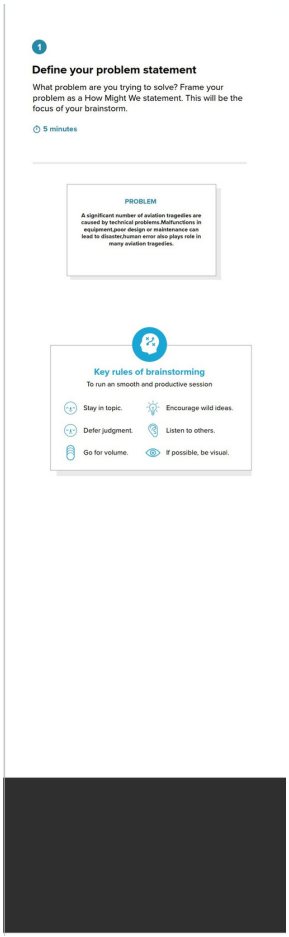
The purpose of conducting aviation analysis used to determine information about the aircraft and a system cause of error for that incident and any other relevant factors. The data is collected from airplane crash.The collected data is analysed through tabuleau to identify any potential cause of accident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

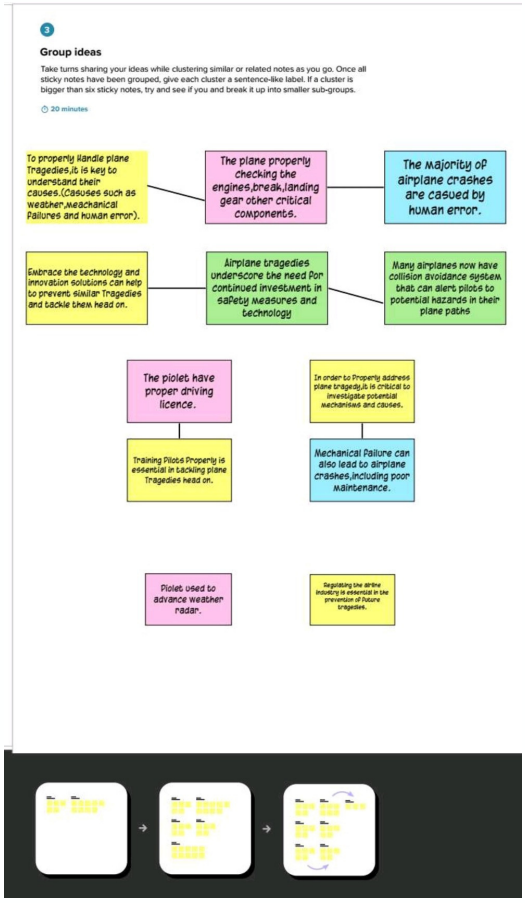
problem Definition & Design Thinking

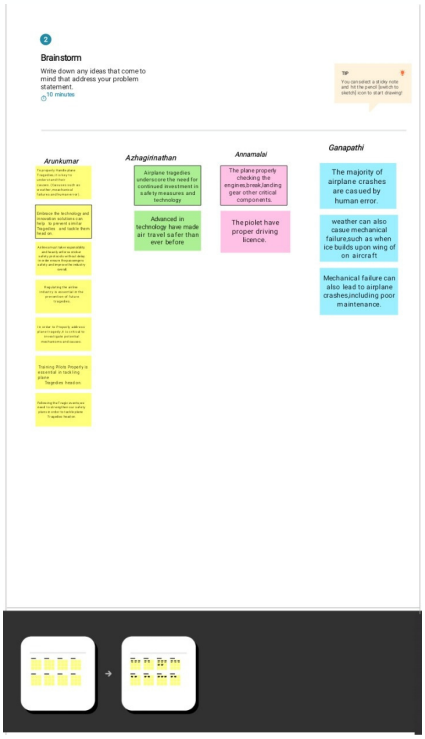
2.1. Empathy Map

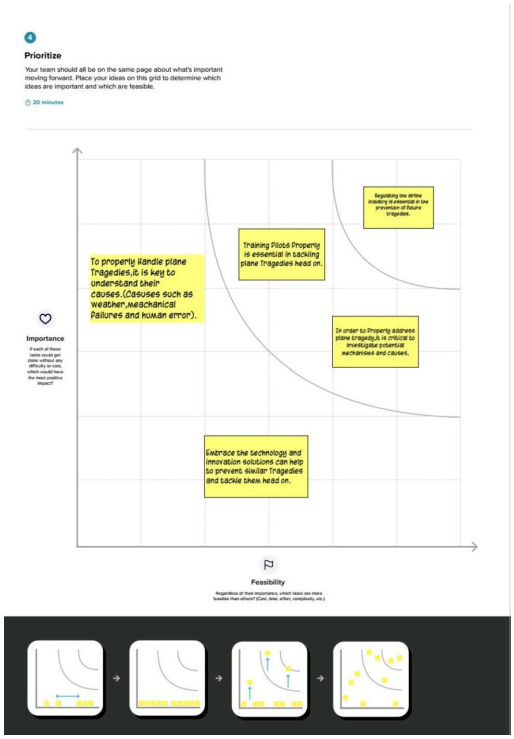
2.2. Ideation and Brainstorming Map

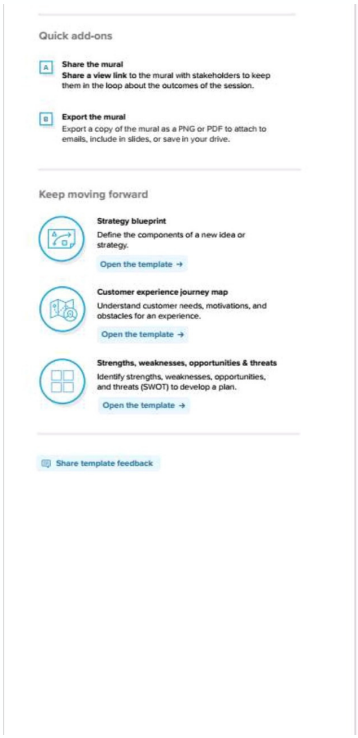












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RESULT

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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 casued. Examining the fear, loss, and grief associated with such tragedies deepans 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.

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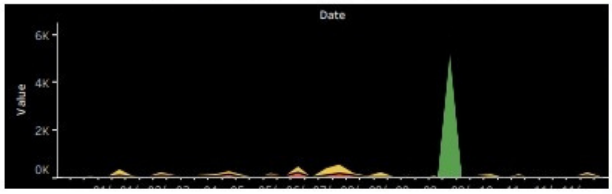
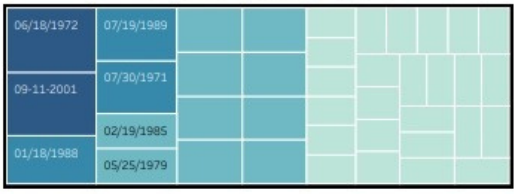
This dataset includes:

- 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.

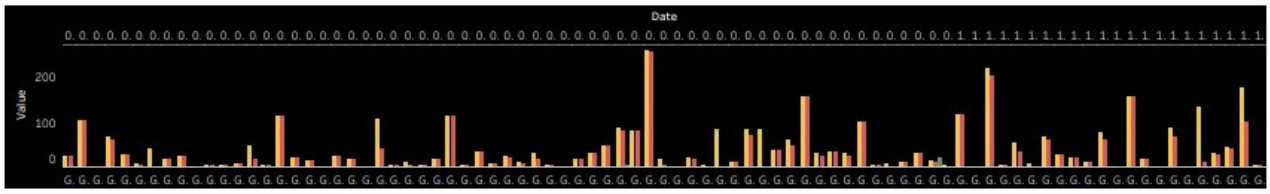
Comparing Aboard vs Fatalities vs Ground



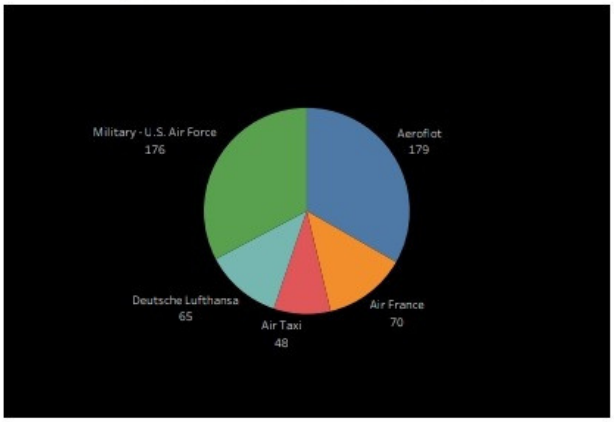
Max accidents based on years



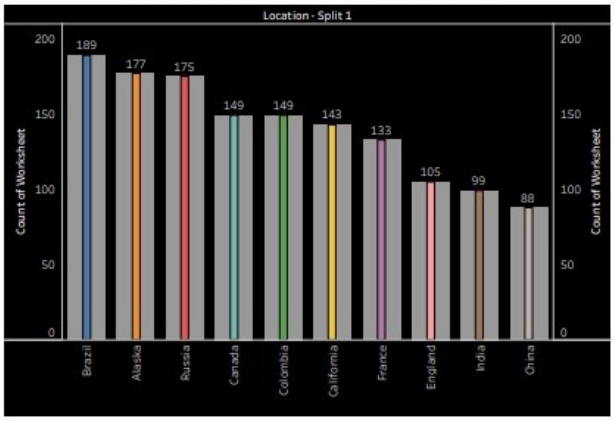
Accident happeden in1972(MAX ACCIDENTS) based on months



Highest No.of accident happened by operators

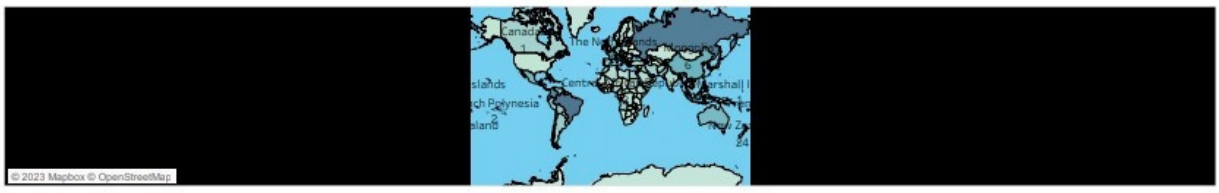


Top 10 locations whichhad more accidents



Top 3 flights wihich have max otter300

Accidents based on Regions



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

Techinical 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