

PROJECT REPORT TEMPLATE

1 INTRODUCTION

1.1 Overview

The Tragedy of Flight: A Comprehensive crash analysis

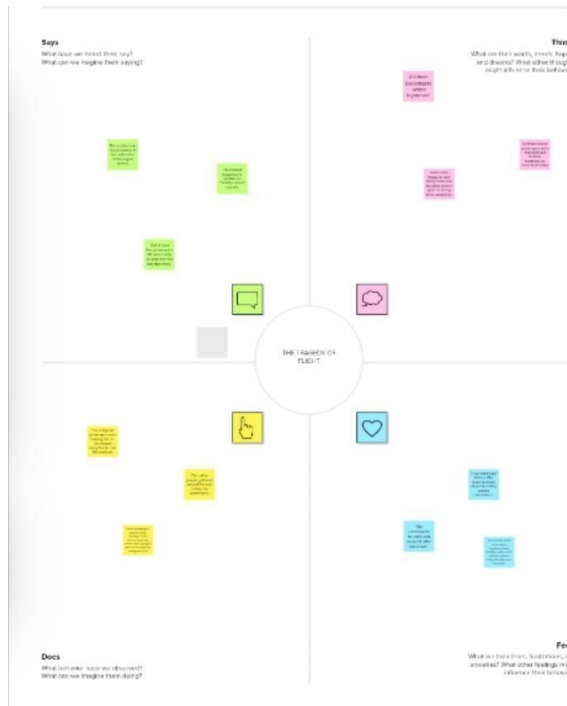
An airplane crash analysis is a detailed investigation into the causes of an aviation accident. The goal of an airplane crash analysis is to identify any factors that contributed to the accident, with the ultimate goal of improving safety and preventing future accidents. The process of conducting an airplane crash analysis typically involves the collection and analysis of a wide range of data, including information about the aircraft and its systems, the operators, and any other relevant factors. This data is typically collected from Kaggle. Once the data has been collected, it is analysed through tableau, to identify any potential causes of the accident. The results of an airplane crash analysis are typically published in an report, which may include recommendations for improving safety and preventing similar accidents in the future. These recommendations may be implemented by the relevant authorities or industry organizations.

1.2 purpose

This project is about Tragedy of flight which means the destructions of planes and their details. This is done to expose the major accidents which happened in the particular time, date and area. The presentation will tell about the history of the plane crashes which happened before.

2 Problem Defining & Design Thinking

2.1 Empathy Map



2.2 Ideation & Brainstorming Map

2
Brainstorm
Write down any ideas that come to mind that address your problem statement.
⌚ 10 minutes

TIP
You can record a sticky note and hit the pencil (switch to) icon to save to don't showing

Person 1	Person 2	Person 3	Person 4
<p>Person 1: I have a problem with my car. It won't start. I need to fix it. I have a problem with my car. It won't start. I need to fix it.</p> <p>Person 2: I have a problem with my car. It won't start. I need to fix it. I have a problem with my car. It won't start. I need to fix it.</p> <p>Person 3: I have a problem with my car. It won't start. I need to fix it. I have a problem with my car. It won't start. I need to fix it.</p> <p>Person 4: I have a problem with my car. It won't start. I need to fix it. I have a problem with my car. It won't start. I need to fix it.</p>	<p>Person 5: I have a problem with my car. It won't start. I need to fix it. I have a problem with my car. It won't start. I need to fix it.</p> <p>Person 6: I have a problem with my car. It won't start. I need to fix it. I have a problem with my car. It won't start. I need to fix it.</p> <p>Person 7: I have a problem with my car. It won't start. I need to fix it. I have a problem with my car. It won't start. I need to fix it.</p> <p>Person 8: I have a problem with my car. It won't start. I need to fix it. I have a problem with my car. It won't start. I need to fix it.</p>	<p>Person 9: I have a problem with my car. It won't start. I need to fix it. I have a problem with my car. It won't start. I need to fix it.</p> <p>Person 10: I have a problem with my car. It won't start. I need to fix it. I have a problem with my car. It won't start. I need to fix it.</p> <p>Person 11: I have a problem with my car. It won't start. I need to fix it. I have a problem with my car. It won't start. I need to fix it.</p> <p>Person 12: I have a problem with my car. It won't start. I need to fix it. I have a problem with my car. It won't start. I need to fix it.</p>	<p>Person 13: I have a problem with my car. It won't start. I need to fix it. I have a problem with my car. It won't start. I need to fix it.</p> <p>Person 14: I have a problem with my car. It won't start. I need to fix it. I have a problem with my car. It won't start. I need to fix it.</p> <p>Person 15: I have a problem with my car. It won't start. I need to fix it. I have a problem with my car. It won't start. I need to fix it.</p> <p>Person 16: I have a problem with my car. It won't start. I need to fix it. I have a problem with my car. It won't start. I need to fix it.</p>

3 Result

From this we have come to know about the plane crashes happened at the particular time period. The solution must be the little conscious of the pilots and the flight attendants. The safety measured and the precautions must be well prepared.

4 Advantage

- 5 Airplanes are important to the economy in various ways such as imports, exports, tourism, and business.
- 6 Air transportation offers convenient, reliable and fast services of transport. It is considered the cheapest way to ship peregrinated goods.
- 7 It is quickest transport mode and is therefore ideal for long-distance transport of goods. It takes less time.
- 8 In regions that are not really accessible to other modes of transport, air transport is considered to be the only means of transport.

Disadvantage

- 9 Flying is indeed bad for the planet because it contributes to global warming, pollution, and leaves a huge [carbon footprint](#).
- 10 Airplanes run on Kerosene fuel, which when combusted, releases a large amount of carbon dioxide and other gases into the atmosphere.
- 11 The importance of the industry comes with adverse effects, which continue to [affect the climate](#) with little or nothing to do because of how the industry is tremendously growing.
- 12 The amount of carbon footprint left on the planet by a single flight is a huge contributor to global warming.

5 Applications

- 13 The complete focus should be on the consciousness of the pilots. The weather conditions and fuel device should be well checked.
- 14 We can track physical aircraft and to store aircraft numbers and corresponding information, such as parent, location, vendor, status, and maintenance costs.
- 15 You can build the aircraft hierarchy as an arrangement of aircraft, pieces of equipment, and subassemblies.
- 16 The aircraft hierarchy provides a convenient way to roll up maintenance costs so that you can check accumulated cost at any level, at any time.

6 Conclusion

This analysis revealed that among the pilots that caused the targeted accidents, 22 had flight experience for 301 to 1000 hours and 20 had 1001 or more hours of experience. By age, those in their 50s and 60s combined were 34, accounting for nearly 60% of the total.

Pilots with the total flight time of 301 to 1000 hours may have accumulated experience in familiarization flights and recreational flights after obtaining a license and may have become confident in their skills. On the other hand, the analysis of casual factors shows the involvement of human factor, such as wrong assumptions carelessness and negligence, as well as a gap between perceptions and reality concerning Skills, in many of the accidents. There was also a case where a pilot's excessive self-confidence triggered the accident.

The interviewees from groups of aircraft lovers all pointed out the fact that those becoming familiar with piloting are more dangerous and

emphasized the significance of sharing information and experience among peers instead of becoming overconfident.

7 Future scope

- To satisfy the growing demand, by 2038, the country's aircraft fleet is anticipated to grow fourfold to about 2500 aircraft. The government has also pledged to build 100 additional airports by 2024 of the Ude Desh Ka Aam Nagrik (UDAM) scheme. The air fleet number is also expected to increase from 600 to 1200.
- Passenger traffic will increase at a rate of 6.2% annually by 2040, the highest rate among the major nations and far higher than the world average of 3.9%. By 2040, India would need 34,000 more pilots and 45,000 more technicians.
- Employment of flight attendants is projected to grow 21 percent from 2021 to 2023, much faster than the average for all occupations. About 18,000 openings for flight attendants are projected each year, on average, over the decade.

