THE TRAGEDY OF FLIGHT: A COMPREHENSIVE CRASH ANALYSIS

SRI SARADA NIKETAN COLLEGE OF SCIENCE FOR WOMEN, KARUR

Faculty mentor

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PROJECT REPORT TEMPLATE

1 INTRODUCTION

1.1 Overview

Project description

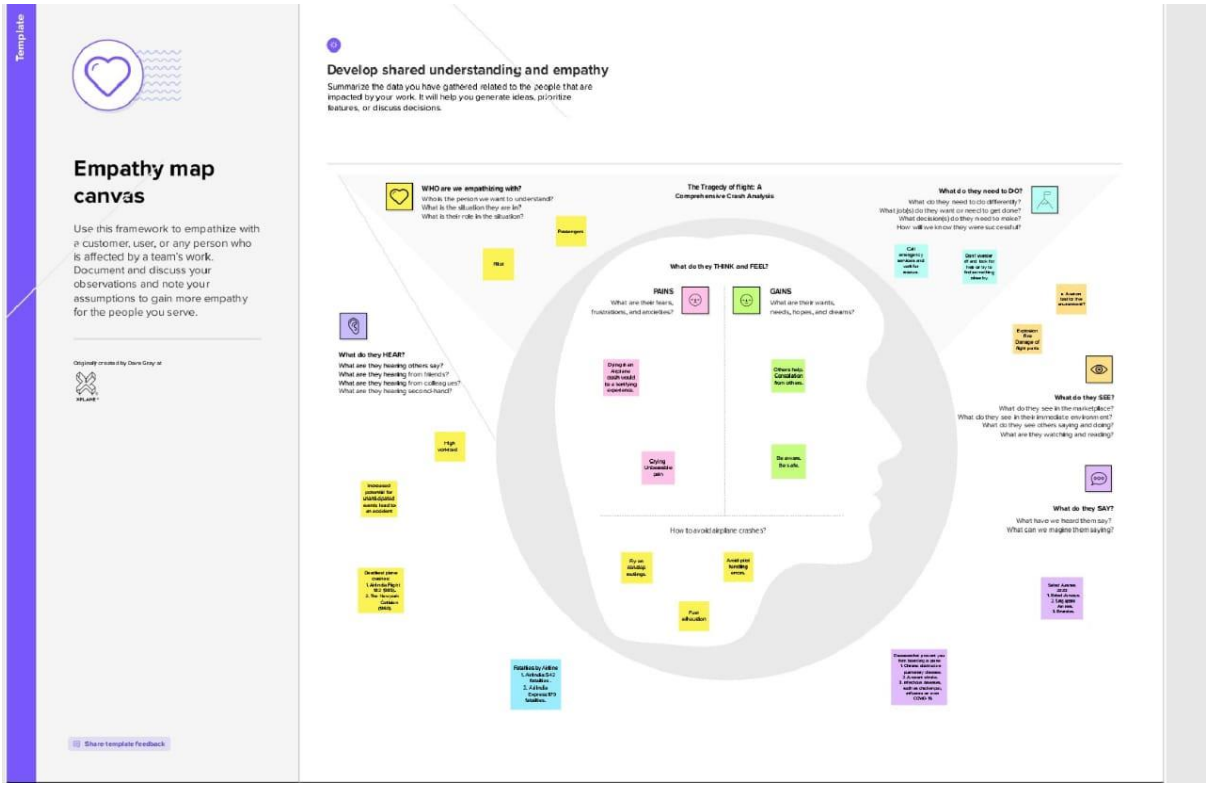
An airplane crash analysis is a detailed investigation into the causes of an aviation accident. The goal of an airplane crash analysis is to identify is to identify any factors that contributed to the accident, with the ultimate goal of improving safety and preventing future accidents. The process of 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 analyzed through tableau, to identify any potential causes of the accident. The results of an airplane crash analysis are typically published in a report, which may include recommendations for improving safety and preventing similar accidents in the future. There recommendations may be implemented by the relevant authorities or industry organizations.

1.2 Purpose

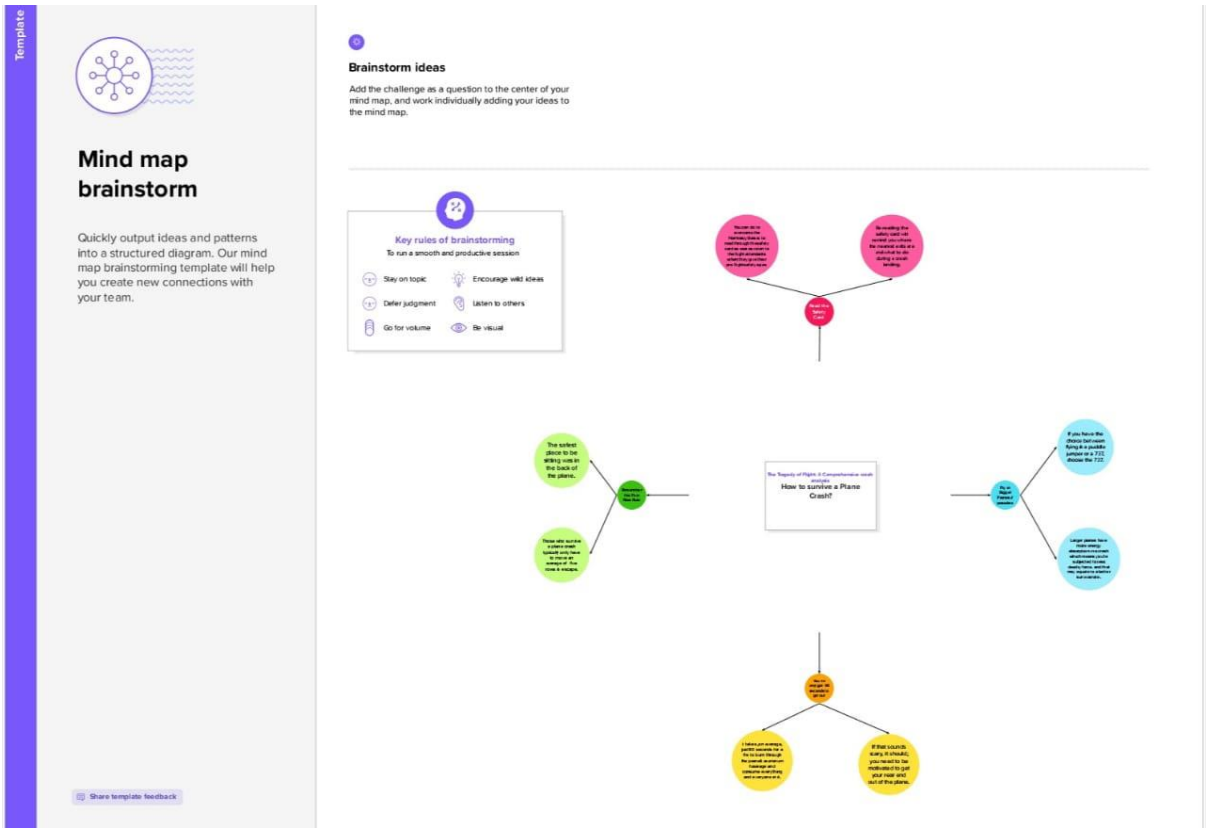
The goal of an airplane crash analysis is to identify any factors that contributed to the accident with the ultimate goal of improving safety and preventing future accidents.

2 PROBLEM DEFINITION & DESIGN THINKING

2.1 Empathy Map

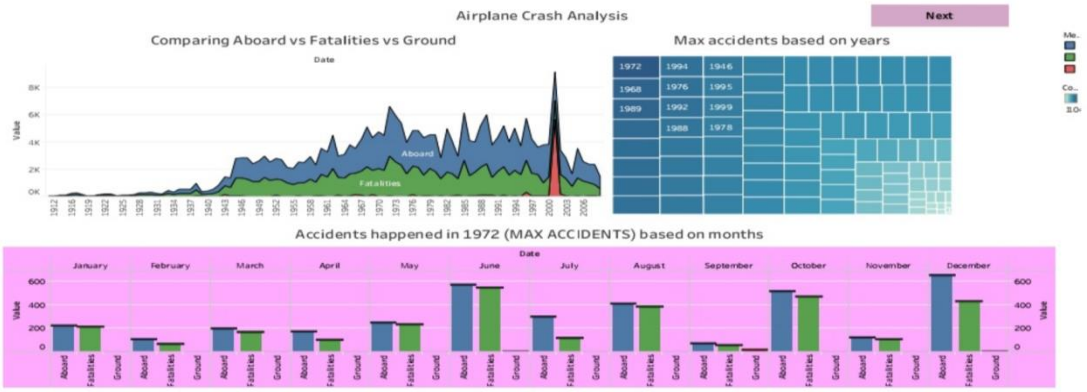


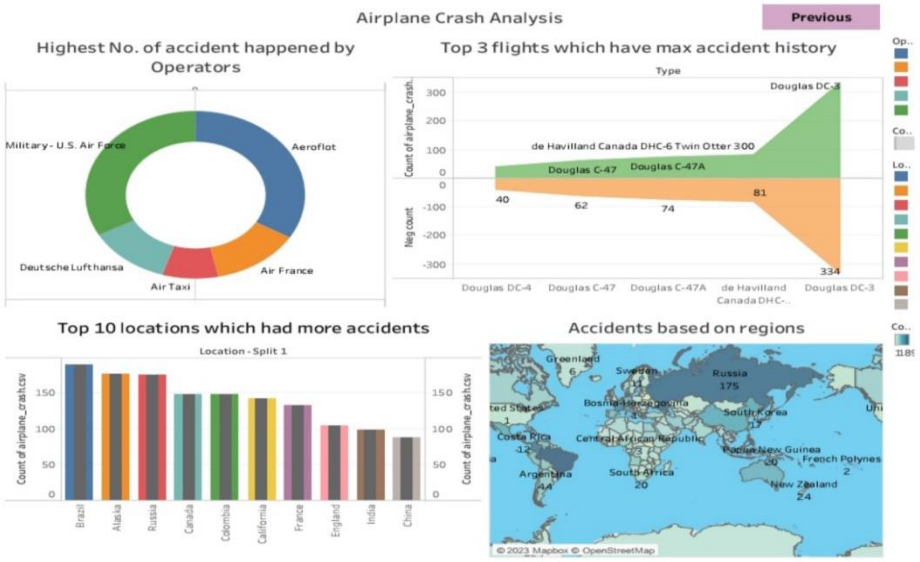
2.2 Ideation & Brainstorming Map



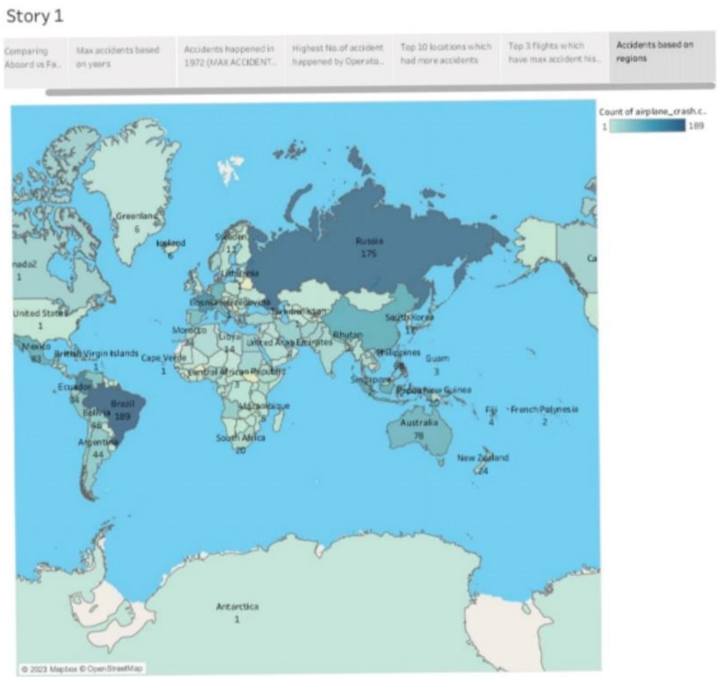
3 RESULT

DASHBOARD





STORY


Story 1
Comparing Aboard vs Fa..
Max accidents based on years
Accidents happened in 1972 (MAX ACCIDENT..
Highest No.of accident happened by Operato..
Top 10 locations which had more accidents
Top 3 flights which have max accident his..
Accidents based on regions
Count of airplane_crash.c..
1
189
Russia
175
Brazil
189
Australia
78
New Zealand
24
South Africa
20
Antarctica
1
Fiji
4
French Polynesia
2
Guam
3
Philippines
Cape Verde
1
Morocco
Greenland
6
Iceland
6
United States
1
Mexico
83
Argentina
44
British Virgin Islands
Central African Republic
United Arab Emirates
Bhutan
South Korea
Singapore
Papua New Guinea
Ecuador
Bolivia
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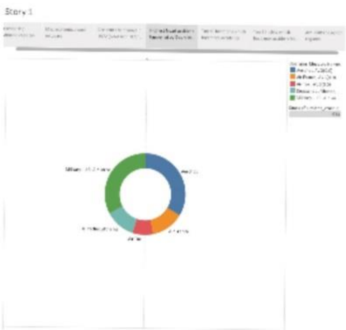
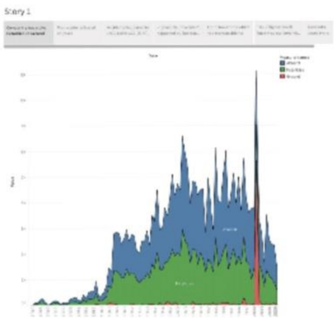
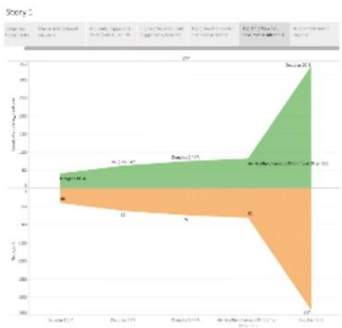
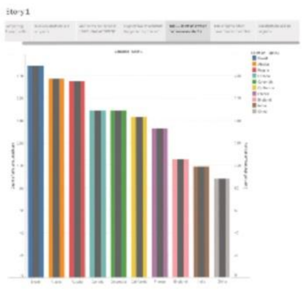
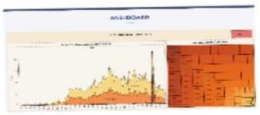


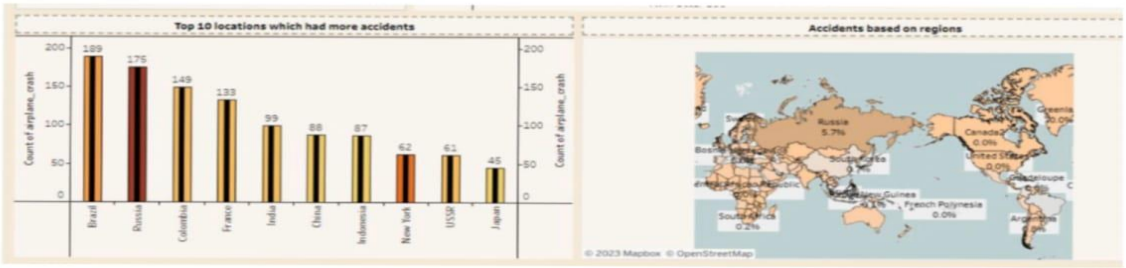


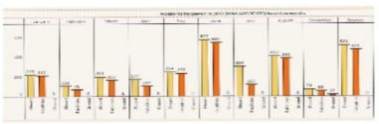




WEB INTEGRATION







4 ADVANTAGES & DISADVANTAGES

ADVANTAGES

- High Speed
- Fast Service
- Send almost everywhere your freight
- High Standard of security
- Natural Route

DISADVANTAGES

- Risky
- Cost
- Some Product Limitation
- Capacity for small carriage
- Enormous investment

5 APPLICATIONS

Aviation accident analysis is performed to determine the cause of errors once an accident has happened. In the modern aviation industry, it is also used to analyze a database of past accidents in order to prevent an accident from happening.

6 CONCLUSION

An airplane crash analysis is a detailed investigation into the causes of an aviation accident. To know the detailed information about the crash, including the data, time, location and weather conditions, any mechanical failures or human errors at the time of the accident. The main aim is improving safety and preventing similar accidents in the future.

7 FUTURE SCOPE

Aircraft design may eventually have to change more dramatically, especially if flying is to be kept affordable as fuel costs climb in the future. This could bring about new forms of propulsion – such as electric, hybrid or solar powered planes – radical new airframe designs, as well as new techniques, like assisted take-offs or unpowered landings.