

PROJECT REPORT TEMPLATE

1 INTRODUCTION

1.1 Overview

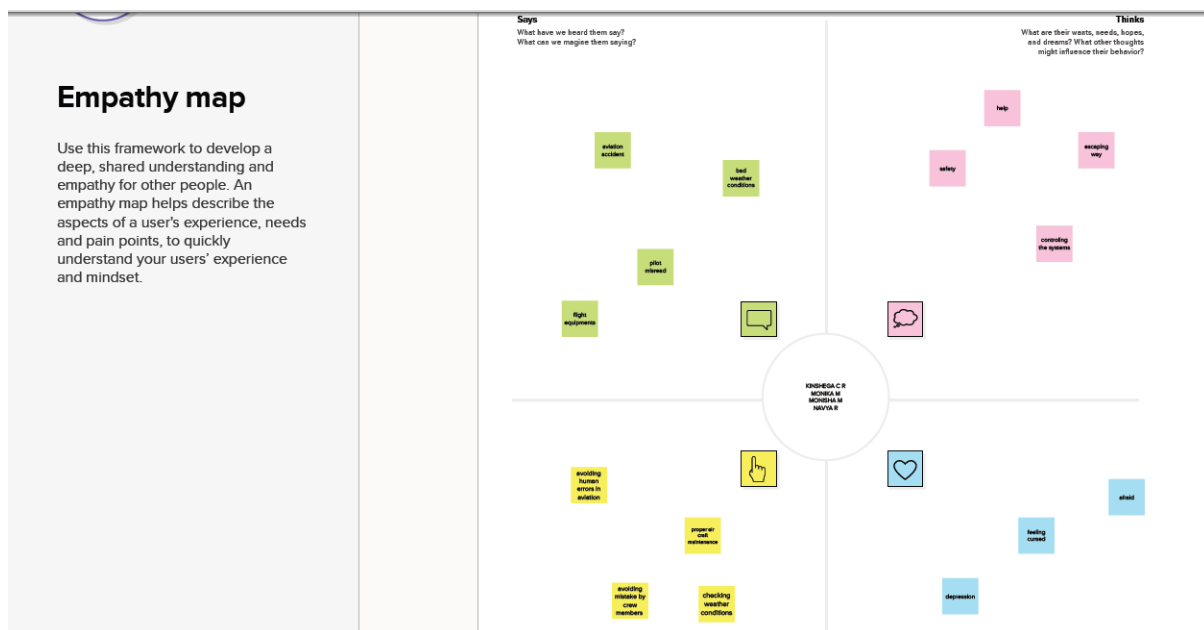
An airplane crash analysis is detailed investigation into the cause of an aviation accident.

1.2 Purpose

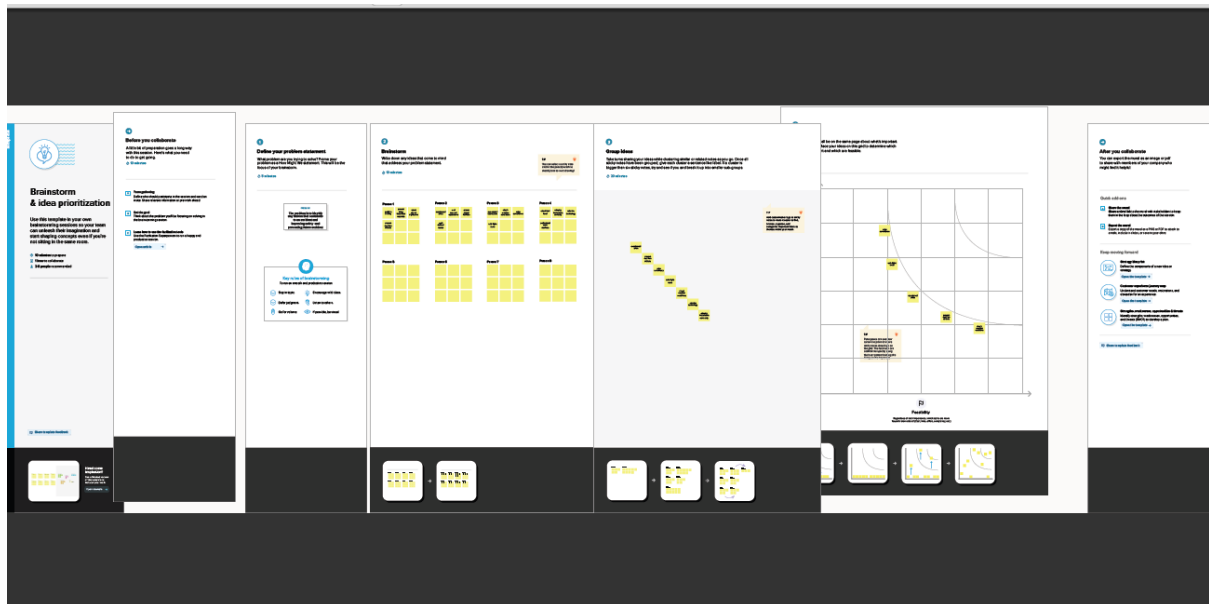
The goal of an airplane crash analysis is to identify any factors that contributed to the accident, with the ultimate goal of improving safety and preventing future accidents.

2 PROBLEM DEFINITION & DESIGN THINKING

2.1 Empathy Map

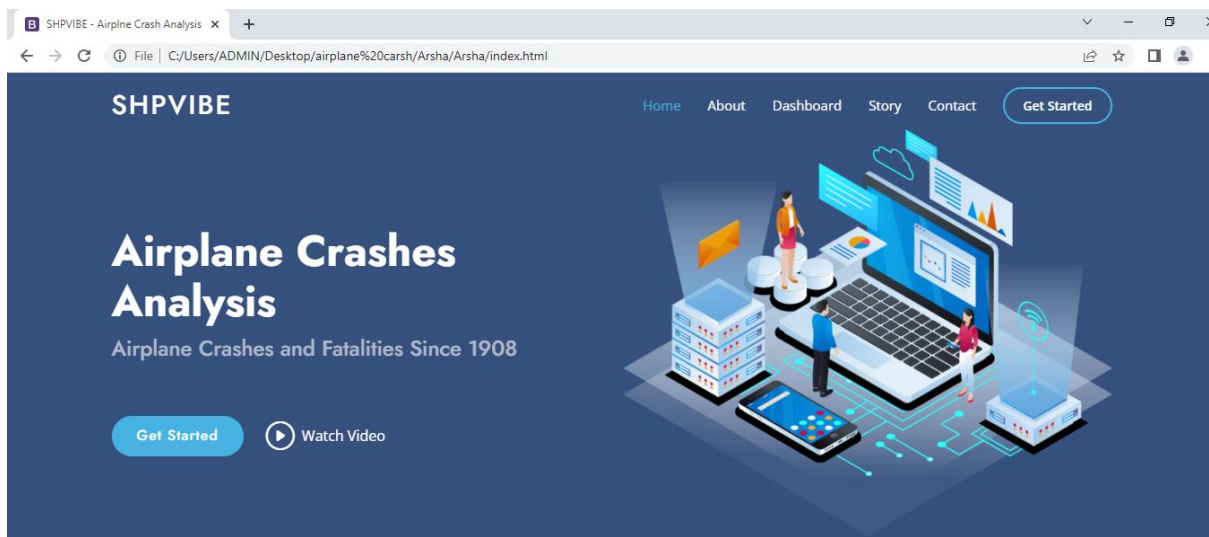


2.2 Ideation & Brainstorming Map



3 RESULT

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. These recommendations may be implemented by the relevant authorities industry organizations.



ABOUT PROJECT

An aviation accident is defined by the Convention on International Civil Aviation Annex 13 as an occurrence associated with the operation of an aircraft, which takes place from the time any person boards the aircraft with the intention of flight until all such persons have disembarked and in which

- ✓ 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.

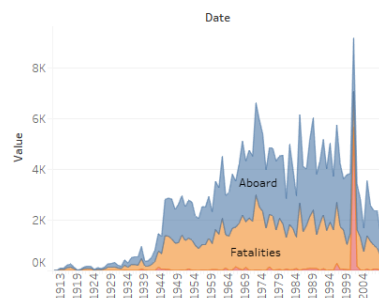
This dataset includes:

- ✓ 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.

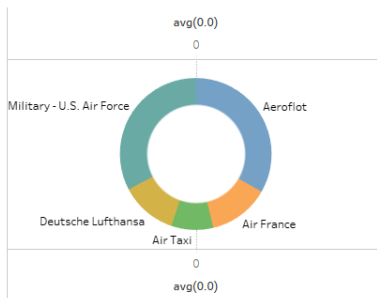


DASHBOARD

Comparing Abroad Vs Fatalities Vs Ground



Highest No. Of Accident Operators



Measure Names

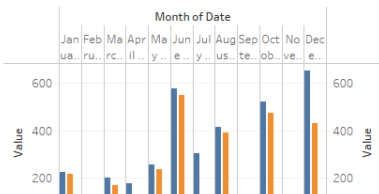
- Aboard
- Fatalities
- Ground

Count of airplane_crash
1 104

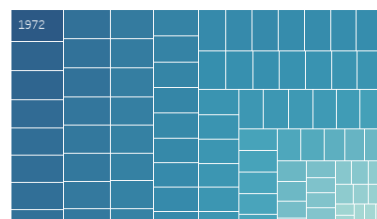
Operator, Measure Names
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Air France, avg(0.0)
Air Taxi, avg(0.0)
Deutsche Lufthansa, ...
Military - U.S. Air For..

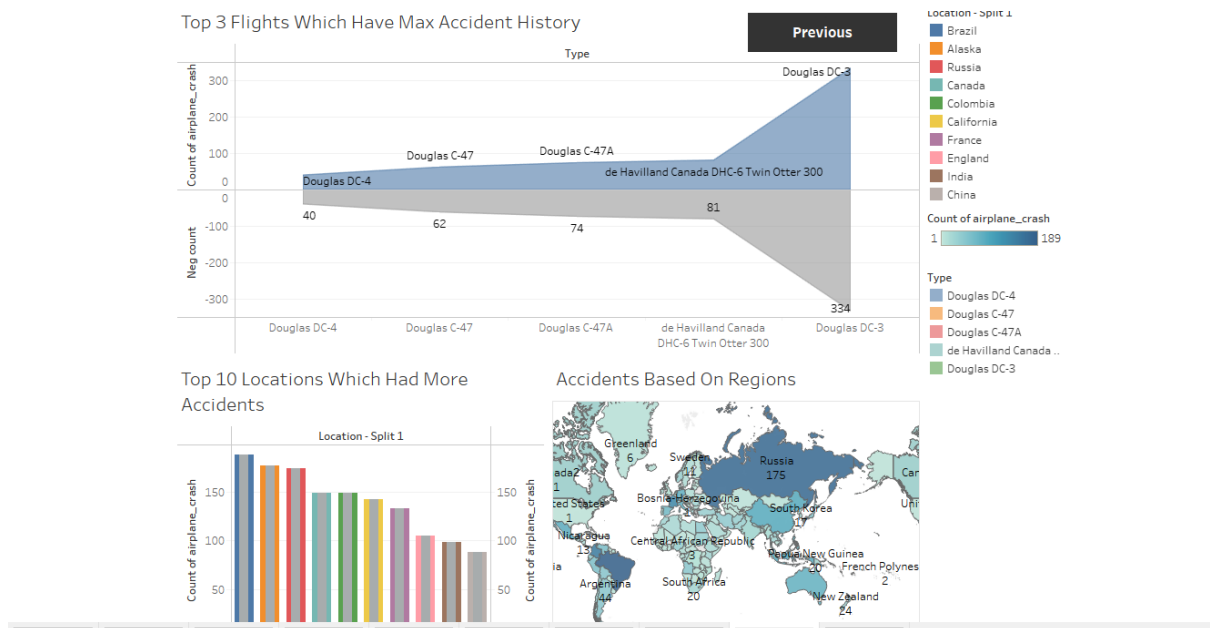
Count of airplane_crash
538

Accidents Happened In 1972 (MAX ACCIDENTS) Based On Months

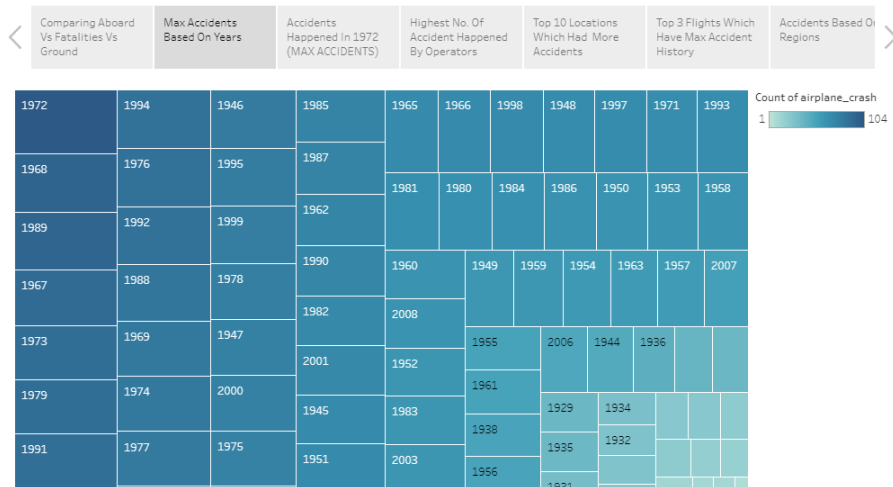


Max Accidents Based On Years





STORY



4 ADVANTAGES & DISADVANTAGES

Airplane crash analysis improve the safety an preventing future accidents is the advantages. In this analysis we find more number of fatalities are done by airplane crash this is the disadvantage.

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 used to analyze a database of past accidents in order to prevent an accident from happening.

6 CONCLUSION

This report features the increase in accidents involving private small aircraft and glider. Accidents are often caused by pilots who have certain flight experience.

7 APPENDIX

Html link :

https://drive.google.com/file/d/1hx9By_daIUWsFOg1J3S6H4tjFlqOunpd/view?usp=share_link