

THE TRAGEDY OF FLIGHT: A COMPREHENSIVE CRASH ANALYSIS

INTRODUCTION

1.1 OVERVIEW

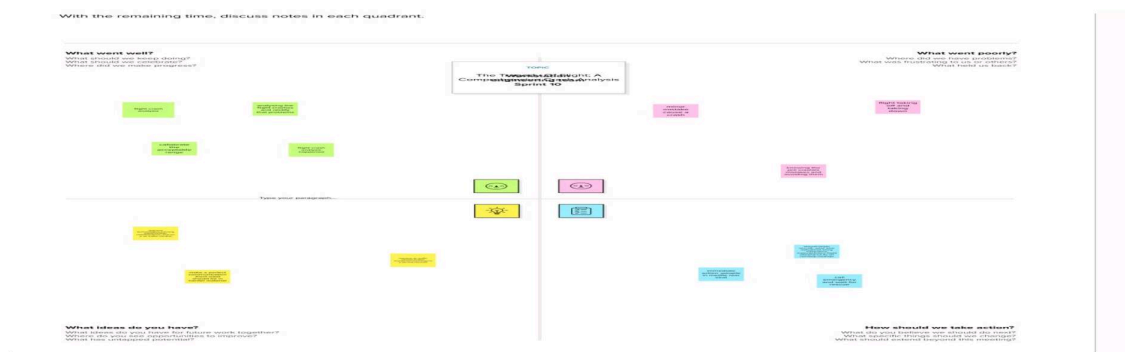
An airplane crash analysis is a detailed investigation into the causes of an aviation accident. The goal of an airplane crash analysis is to identify any factors that contributed to the accident, with the ultimate goal of improving safety and preventing future accidents.

1.2 PURPOSE

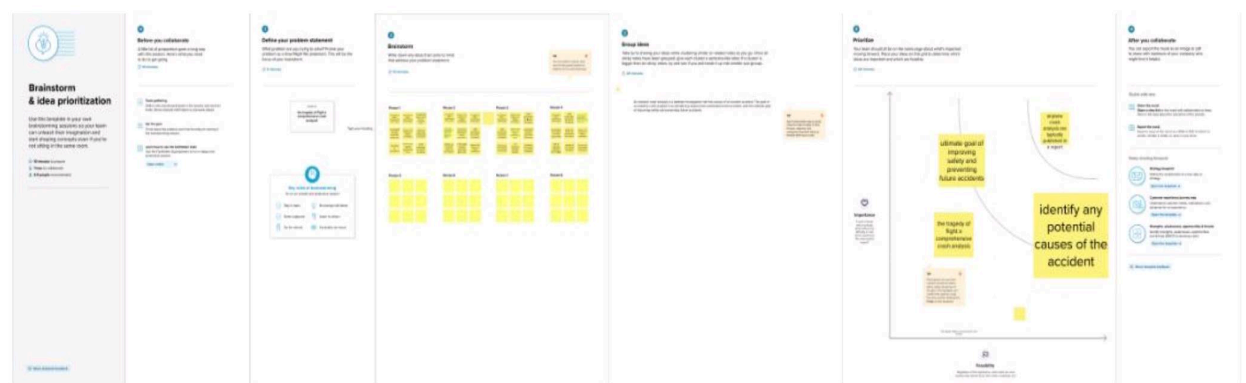
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PROBLEM DEFINITION&DESIGN THINKING

2.1 EMPATHY MAP



2.2 IDEATION&BRAINSTORMING MAP



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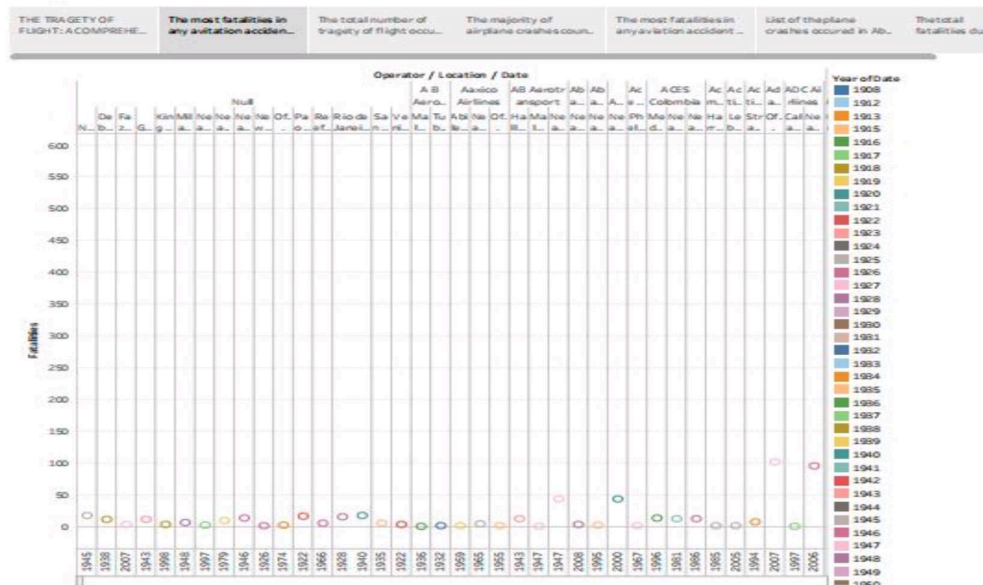
RESULT

Story 1

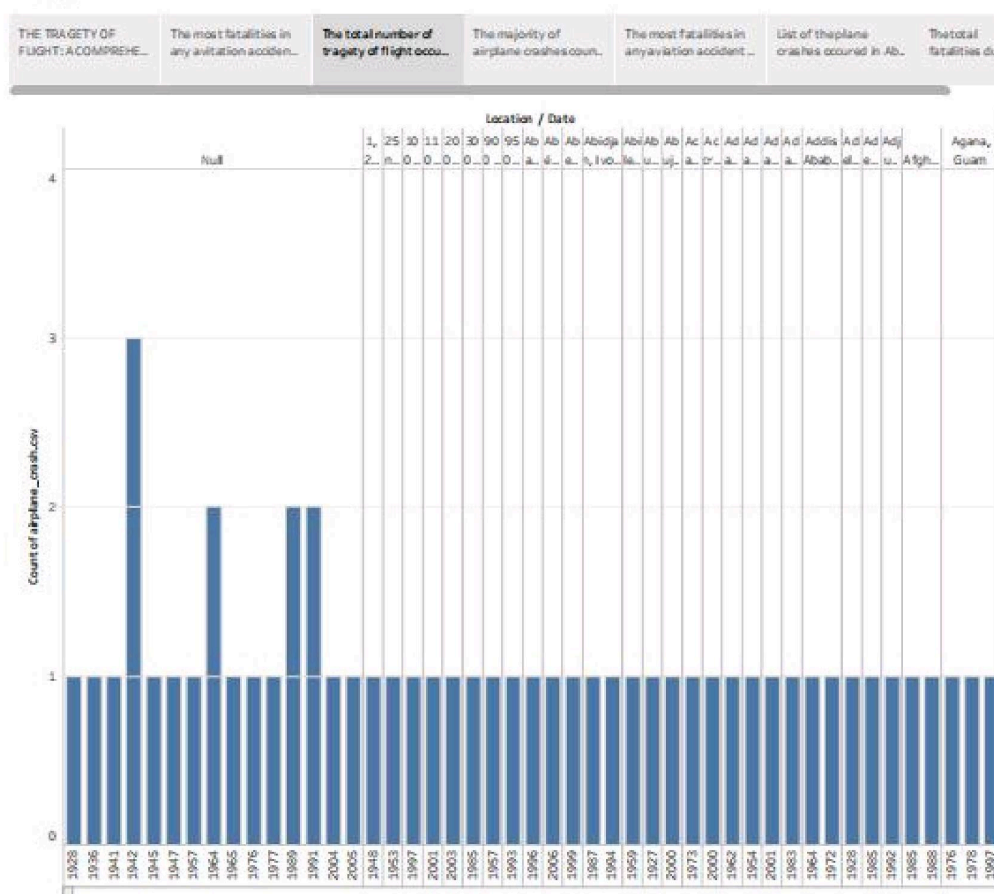
THE TRAGETY OF FLIGHT: A COMPREHE..	The most fatalities in any aviation acciden..	The total number of tragety of flight occu..	The majority of airplane crashes coun..	The most fatalities in any aviation accident ..	List of the plane crashes occurred in Ab..	The total fatalities du..
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Story 1

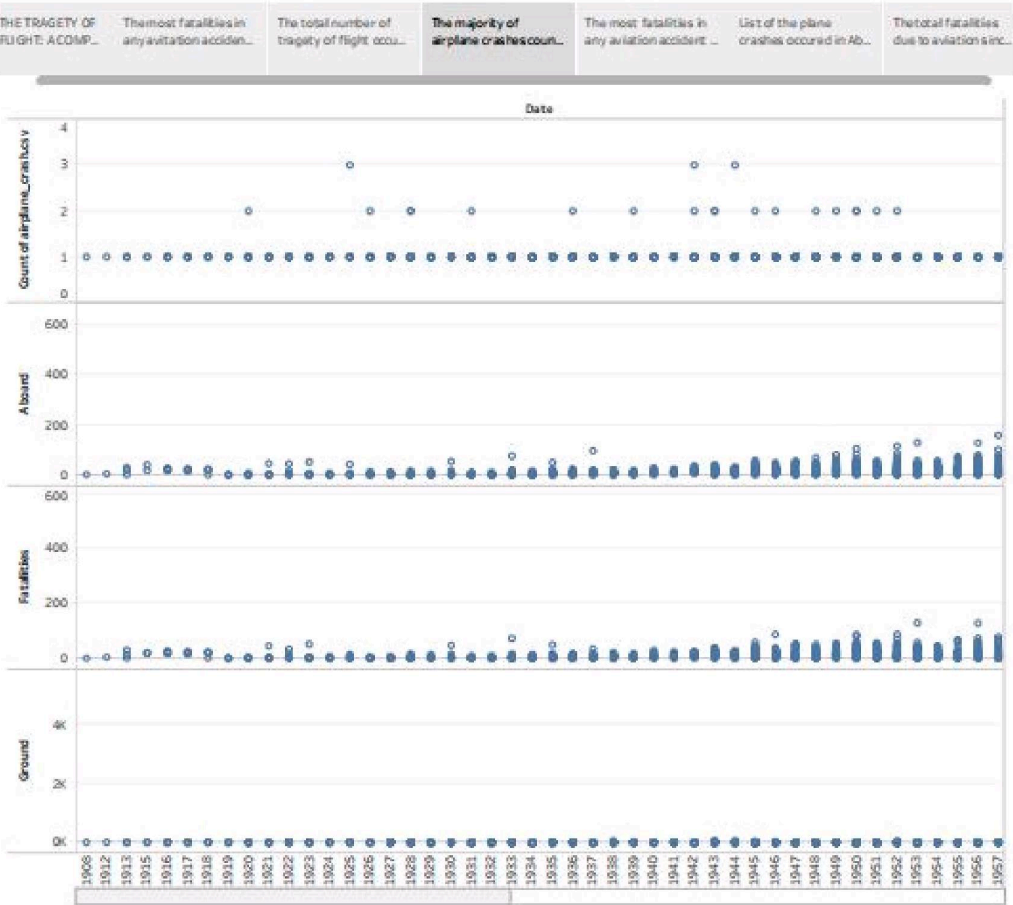


Story 1

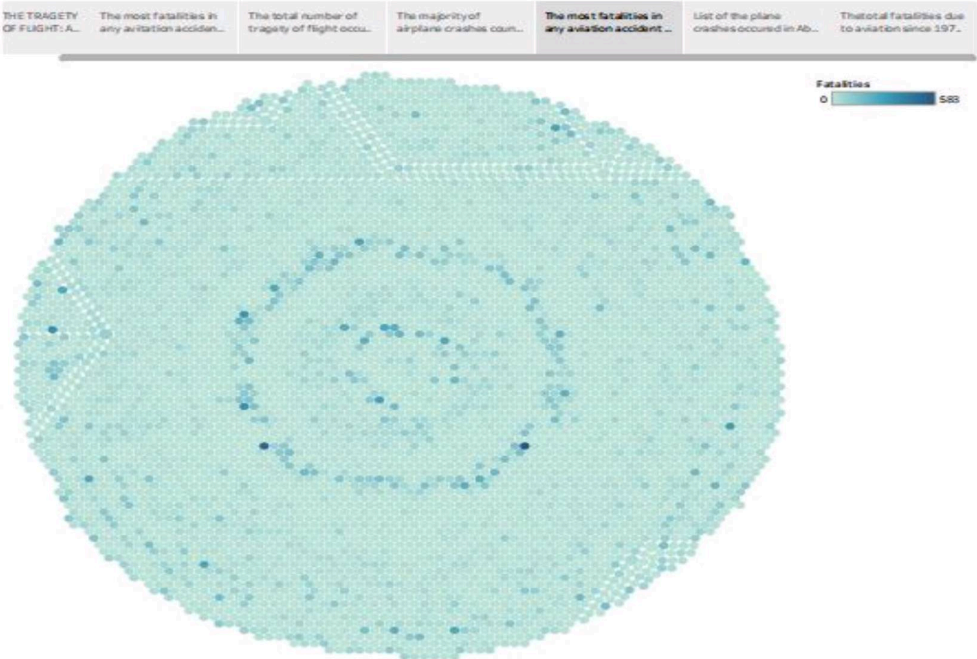


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Story 1

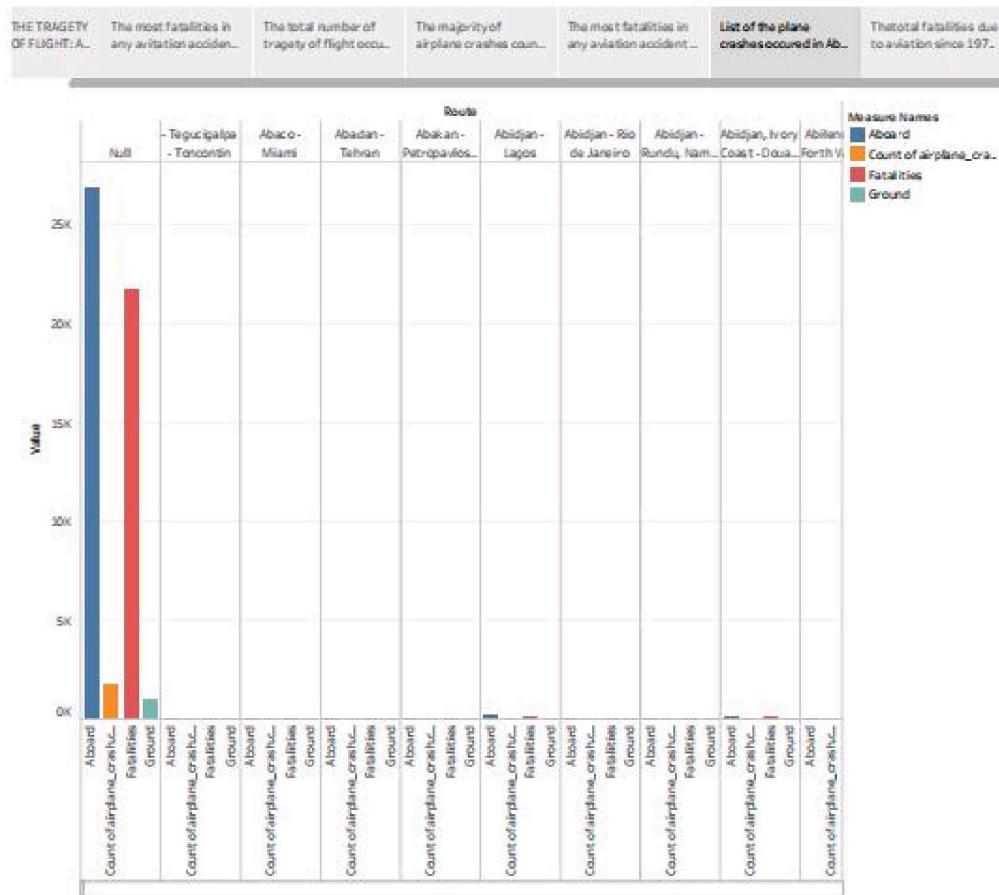


Story 1

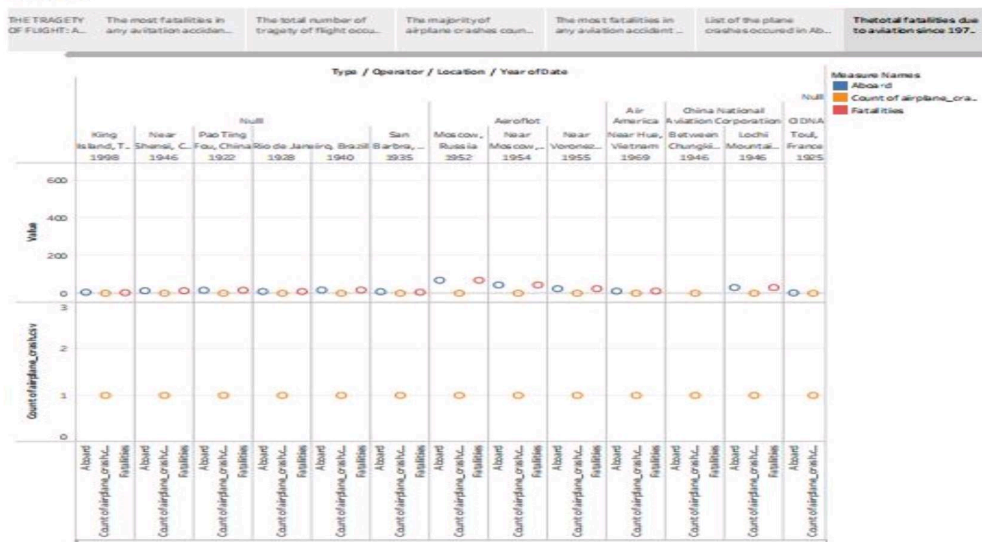


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Story 1



Story 1



THE TRAGEDY OF FLIGHT: A COMPREHENSIVE CRASH ANALYSIS

4 ADVANTAGES & DISADVANTAGES

ADVANTAGES

- **An airplane crash analysis is a detailed investigation into the causes of an aviation accident.**
- to determine the cause of errors once an accident has happened determining the root causes of accidents, on-the-job injuries, property damage, and close calls in order to prevent them from occurring again.
- Substantial damage means damage or failure which adversely affects the structural strength, performance, or flight characteristics of the aircraft, and which would normally require major repair or replacement of the affected component.

DISADVANTAGES

- a variety of causes, including pilot error, air traffic controller error, design and manufacturer defects, maintenance failures, sabotage, or inclement weather.
- **Various national and international researches have found these as most common behavior of Road drivers, which leads to accidents.**
- Over Speeding: Most of the fatal accidents occur due to over speeding. ...
- Drunken Driving: Consumption of alcohol to celebrate any occasion is common. ...
- Distraction to Driver: ...
- Red Light jumping:

5. APPLICATIONS

- Investigation of accidents consists of three phases : a) collection of data, b) analysis of data, and c) presentation of findings.
- 'Critical phases of flight' in the case of aeroplanes means the take-off run, the take-off flight path, the final approach, the missed approach, the landing, including the landing roll, and any other phases of flight as determined by the pilot-in-command or commander.

6. CONCLUSION

- a very serious air crash in which in a lot of people are killed or injured.
- Human Errors in Aviation

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- to find out the cause of incidents and to prevent similar incidents in the future. to fulfill any legal requirements. to determine the cost of an incident. to determine compliance with applicable regulations

7. FUTURE SCOPE

- A recent report suggested that hydrogen-powered planes could enter the market as soon as 2035, and those planes could carry hundreds more passengers per flight than traditional planes, with a cleaner energy source.
- Looking ahead, we can see that in 2050 aviation will fly 16 billion passengers and 400 million tonnes of cargo. We must be able to manage that with sustainable technologies and efficient infrastructure, while pleasing our passengers and rewarding our shareholders.