

# **The Tragedy of Flight:**

## **A comprehensive crash analysis**

**Naan Mudhalvan**

# **Team members**

**KARANRAJ M**

**Jegan G**

**Gopikrishnan**

**Gunal**

**Guru mageshwaren**

# Comprehensive Crafts Analysis

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- **Introduction**
- **Problem design and design thinking**
- **Advantages and disadvantages**
- **Applications**
- **Future Scope**
- **Step in tableau, dashboard, story**
- **Conclusion**



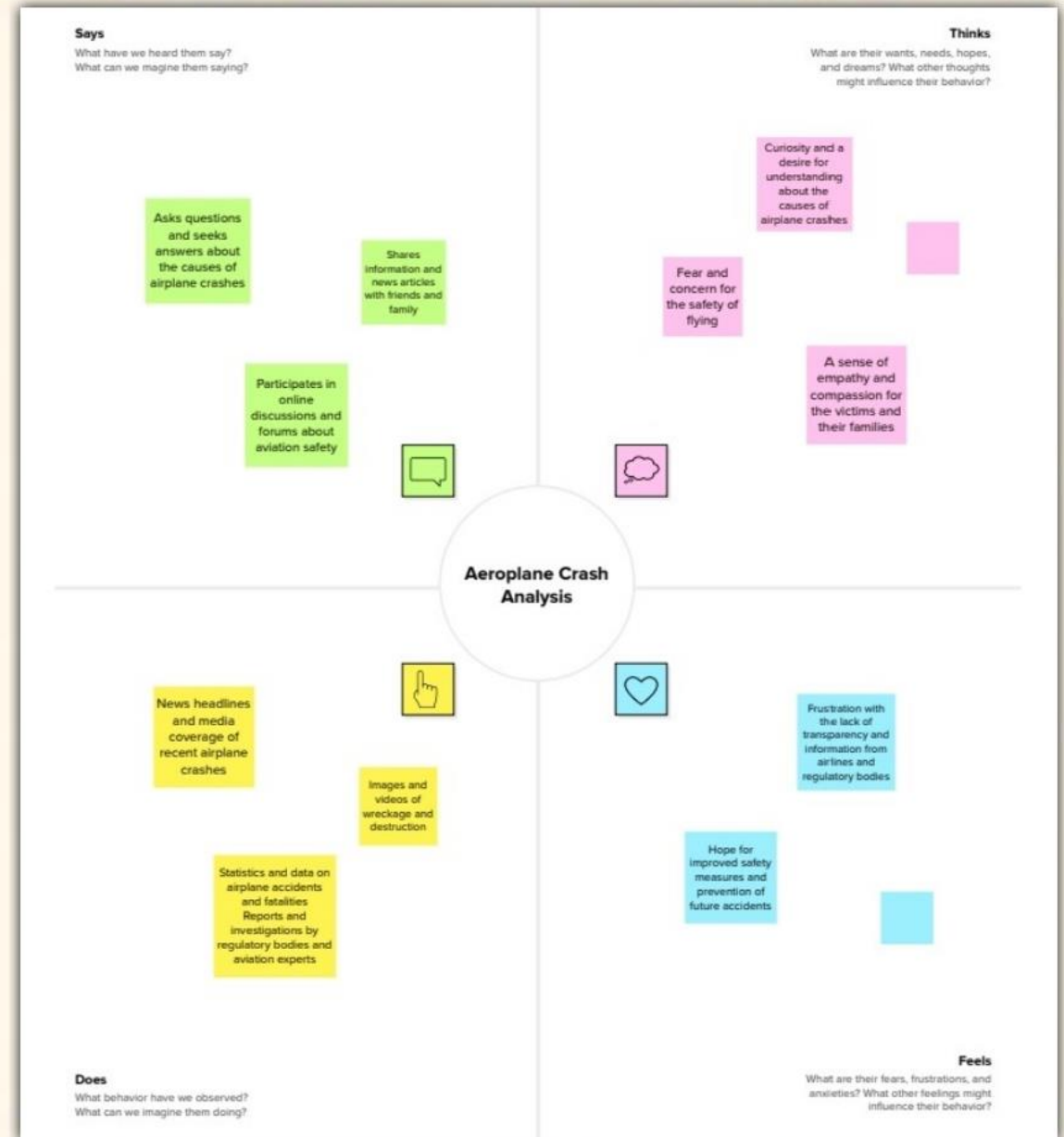
# **Problem Definition :**

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**The Tragedy of Flight is a comprehensive crash analysis that aims to investigate and analyze the factors that contributed to the crash of a specific flight. The goal is to identify the root cause of the accident and provide recommendations to prevent similar incidents from occurring in the future. The analysis will involve a detailed examination of the flight data, including communication records, maintenance records, weather reports, and any other relevant information**

# Empathy Map:

## We have done the Empathy map for better understanding of a problem





# BrainStroming :

As team we made Collect points and given according to person

### PROBLEM

There have been numerous air accidents resulting in the loss of lives and property, and it is essential to understand the causes of these tragedies to prevent future occurrences. The purpose of this comprehensive crash analysis is to investigate the contributing factors that led to the crash and to provide recommendations to prevent similar accidents in the future. The study will focus on analyzing the events leading up to the crash, the technical failures, the human errors, and the organizational factors that contributed to the incident. By identifying the root causes of the crash and providing recommendations, this study aims to improve the safety and security of air travel and prevent future tragedies.

### Key rules of brainstorming

To run a smooth and productive session

- Stay in topic.
- Encourage wild ideas.
- Defer judgment.
- Listen to others.
- Go for volume.
- If possible, be visual.

#### Person 1

Analyzing the role of human error in aviation accidents.	Examining the impact of pilot workload on decision-making.	

#### Person 2

Investigating the impact of weather conditions on flight operations.	Assessing the role of air traffic controllers in preventing accidents.	

#### Person 3

Examining the impact of air traffic congestion on flight safety.	Evaluating the effectiveness of current safety protocols.	

#### Person 4

Analyzing the role of maintenance and equipment in preventing accidents.	Studying the impact of air traffic control on preventing accidents.	

#### Person 5

Investigating the impact of air traffic congestion on flight safety.	Assessing the role of air traffic controllers in preventing accidents.	

#### Person 6

Examining the impact of weather conditions on flight operations.	Assessing the role of air traffic controllers in preventing accidents.	

#### Person 7


#### Person 8


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## Group ideas

Take turns sharing your ideas while clustering similar or related notes as you go. Once all sticky notes have been grouped, give each cluster a sentence-like label. If a cluster is bigger than six sticky notes, try and see if you can break it up into smaller sub-groups.

🕒 20 minutes

One group idea for analyzing the tragedy of flight crashes comprehensively could be to form a multidisciplinary team of experts from various fields such as aviation, engineering, psychology, and law. This team could work together to identify the causes and contributing factors of flight crashes, as well as develop strategies for prevention and improved response in the event of a crash.

The group could start by examining past flight crashes and analyzing the data and evidence related to each incident. They could investigate factors such as pilot error, mechanical failures, air traffic control issues, and weather conditions, among others. By identifying patterns and commonalities in these incidents, the group could develop a better understanding of the underlying causes of flight crashes and work to prevent them in the future.

### TIP

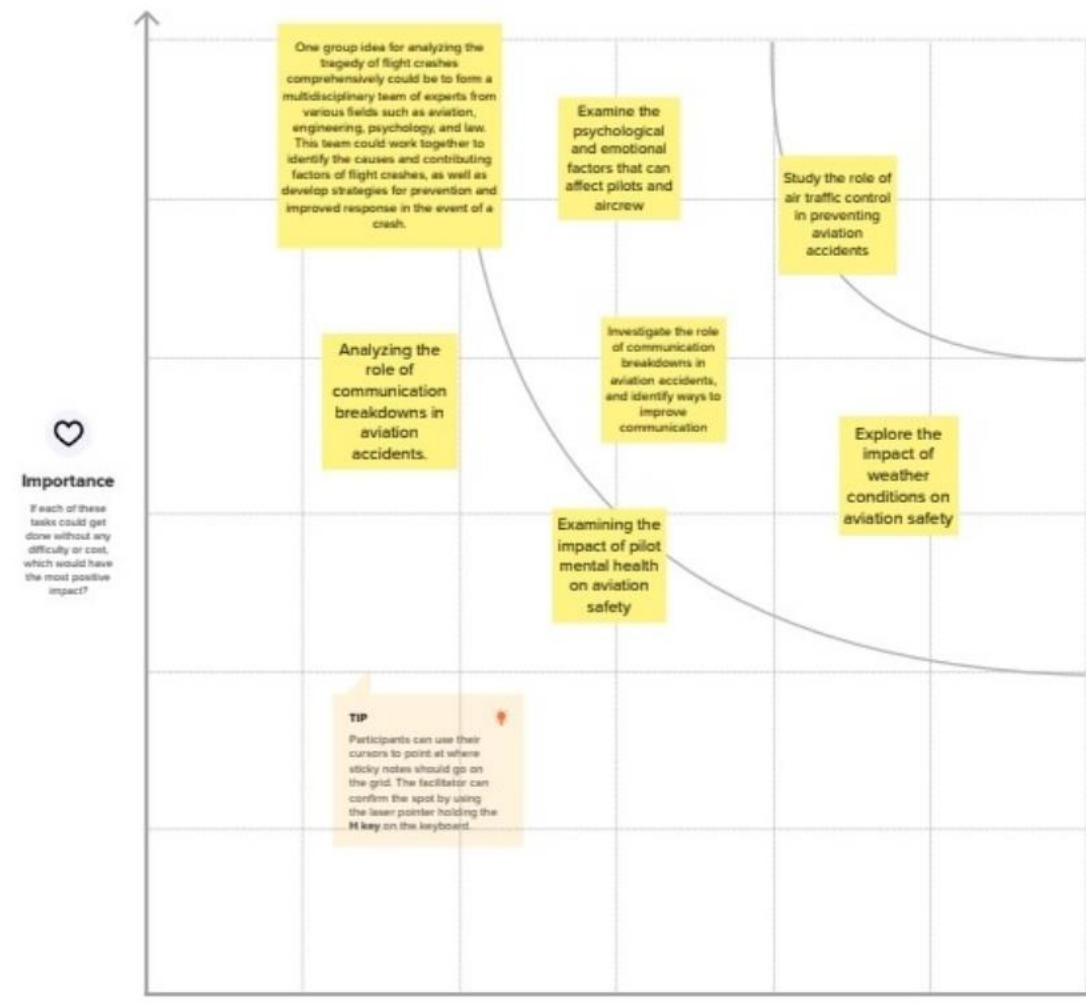
Add customizable tags to sticky notes to make it easier to find, browse, organize, and categorize important ideas as themes within your mural.

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## Prioritize

Your team should all be on the same page about what's important moving forward. Place your ideas on this grid to determine which ideas are important and which are feasible.

🕒 20 minutes



# Advantages and disadvantages in Comprehensive Crash analysis :

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## Advantages :

A comprehensive crash analysis can help determine who was at fault in a collision. This information is critical in legal proceedings and can help to hold the responsible party accountable. For those involved in a collision, a comprehensive crash analysis can provide answers and closure to what happened and why.

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## Disadvantages :

Comprehensive crash analysis can be costly, especially when there are multiple parties involved in a collision. The cost can be a significant burden for individuals, insurance companies, or government agencies.



# Application and Future Scope :

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## Application :

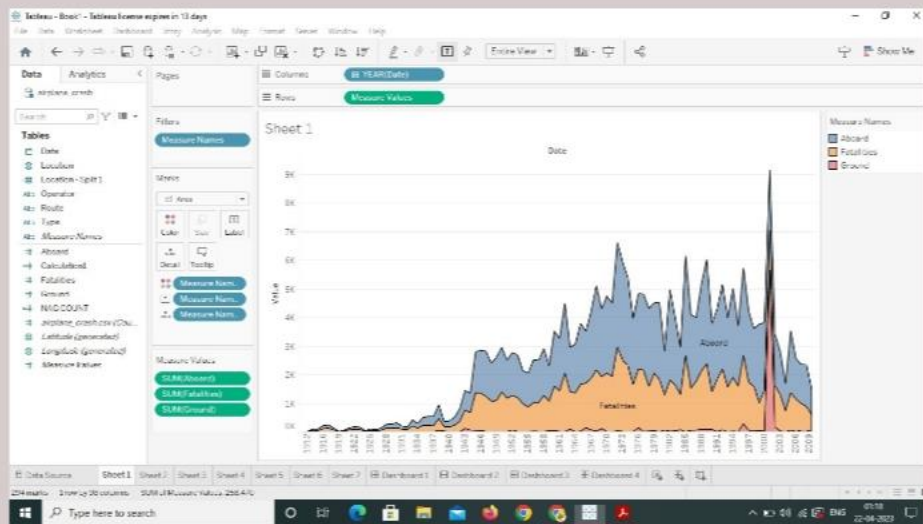
Comprehensive crash analysis can be costly, especially when there are multiple parties involved in a collision. The cost can be a significant burden for individuals, insurance companies, or government agencies. Comprehensive crash analysis can be used to inform research and development efforts aimed at improving vehicle safety, reducing collisions

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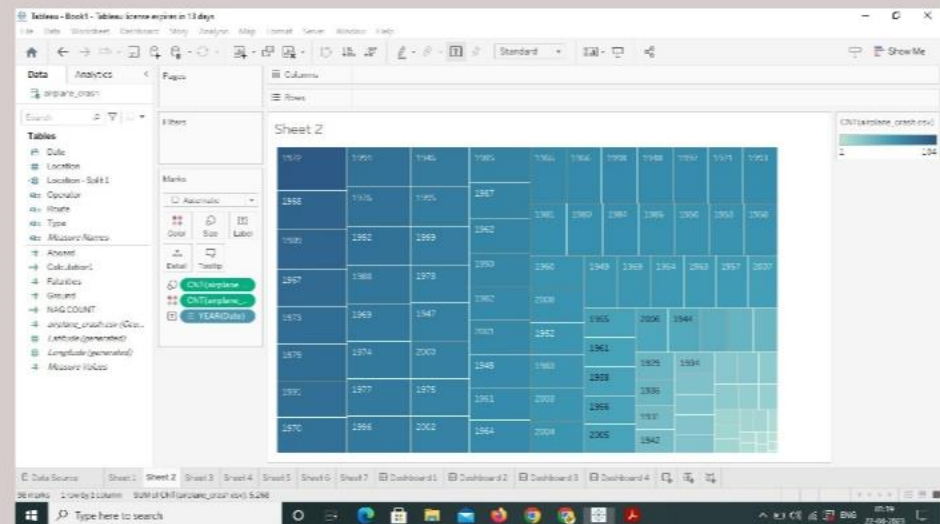
## Future Scope :

With advancements in technology, such as artificial intelligence and machine learning, comprehensive crash analysis can become more accurate and efficient. These technologies can help to automate certain aspects of the analysis, reduce human error, and provide more precise predictions of collision outcomes.

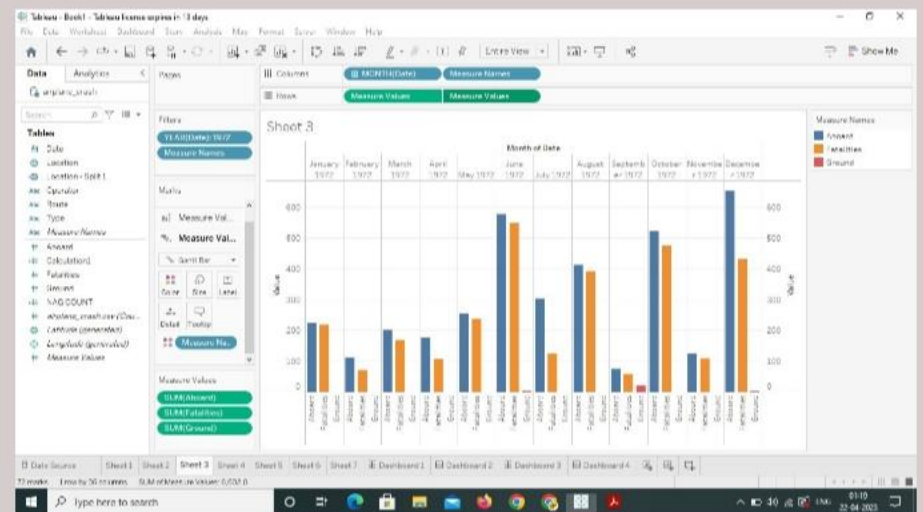
# Step 1 :



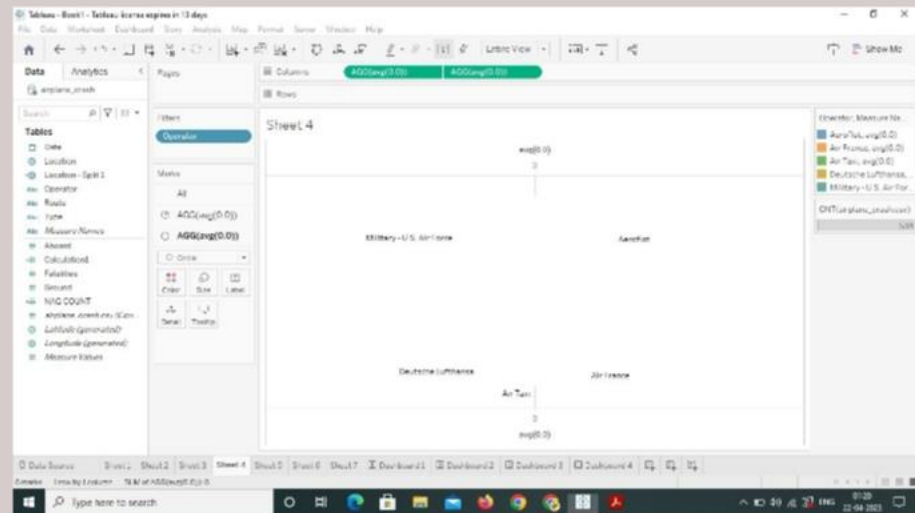
# Step 2 :



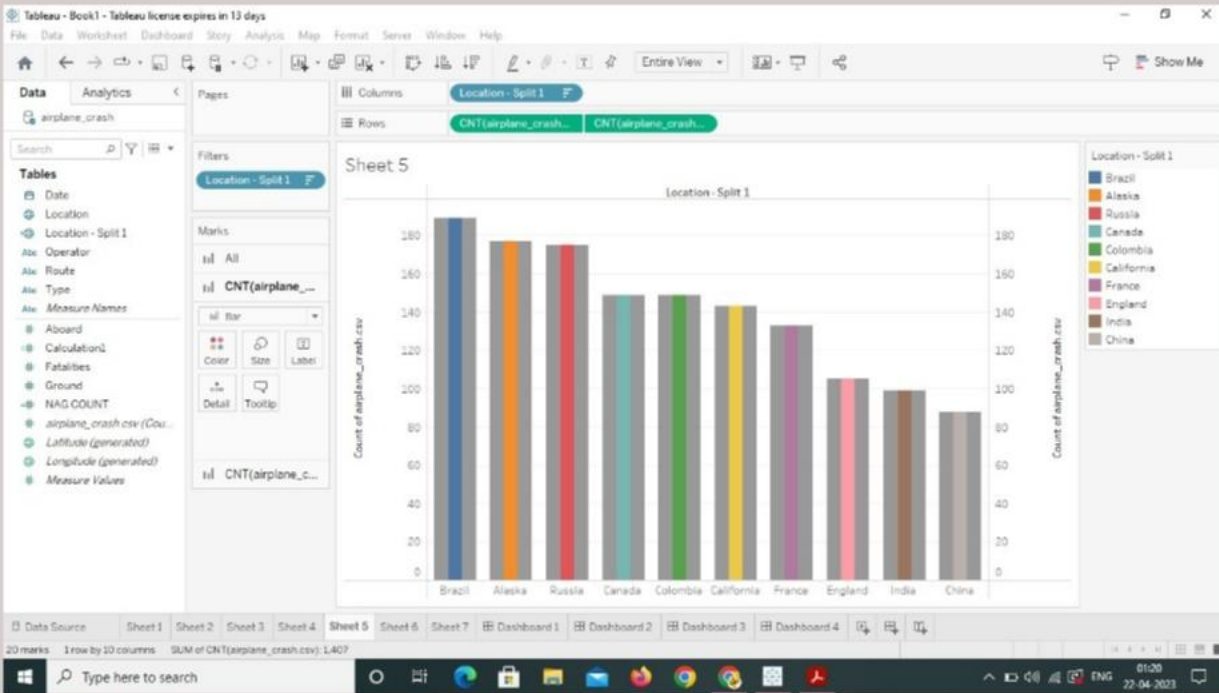
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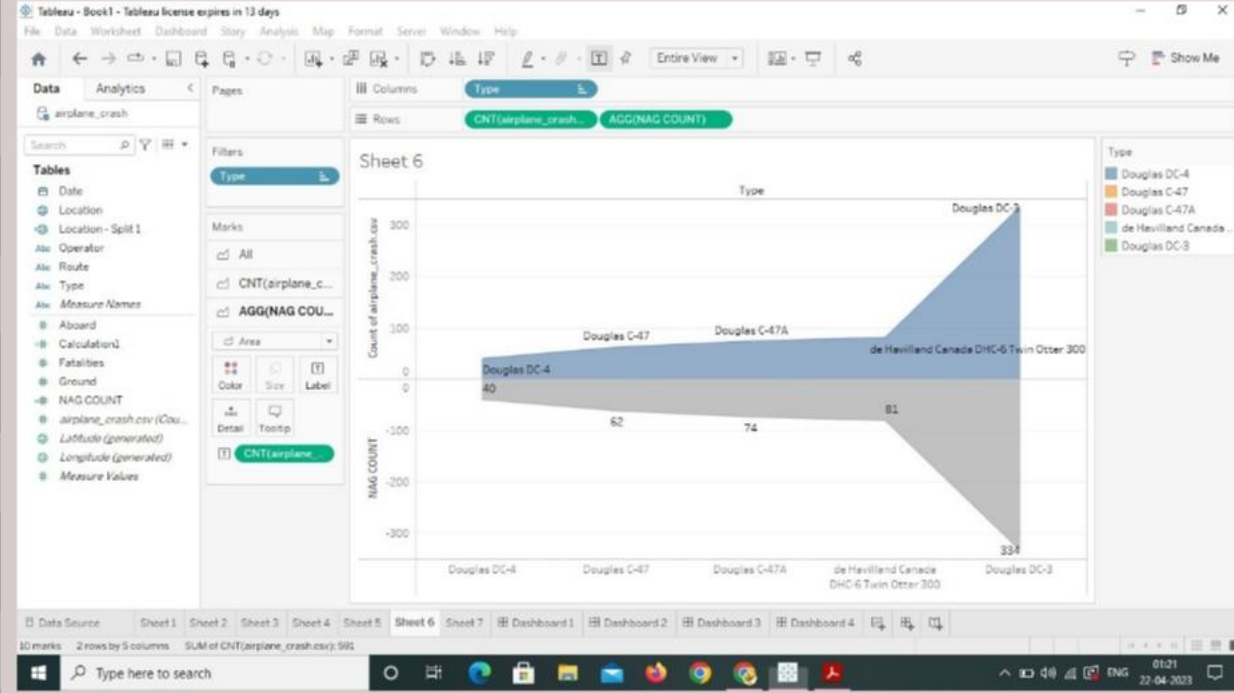
# Step 4 :



# Step 5 :

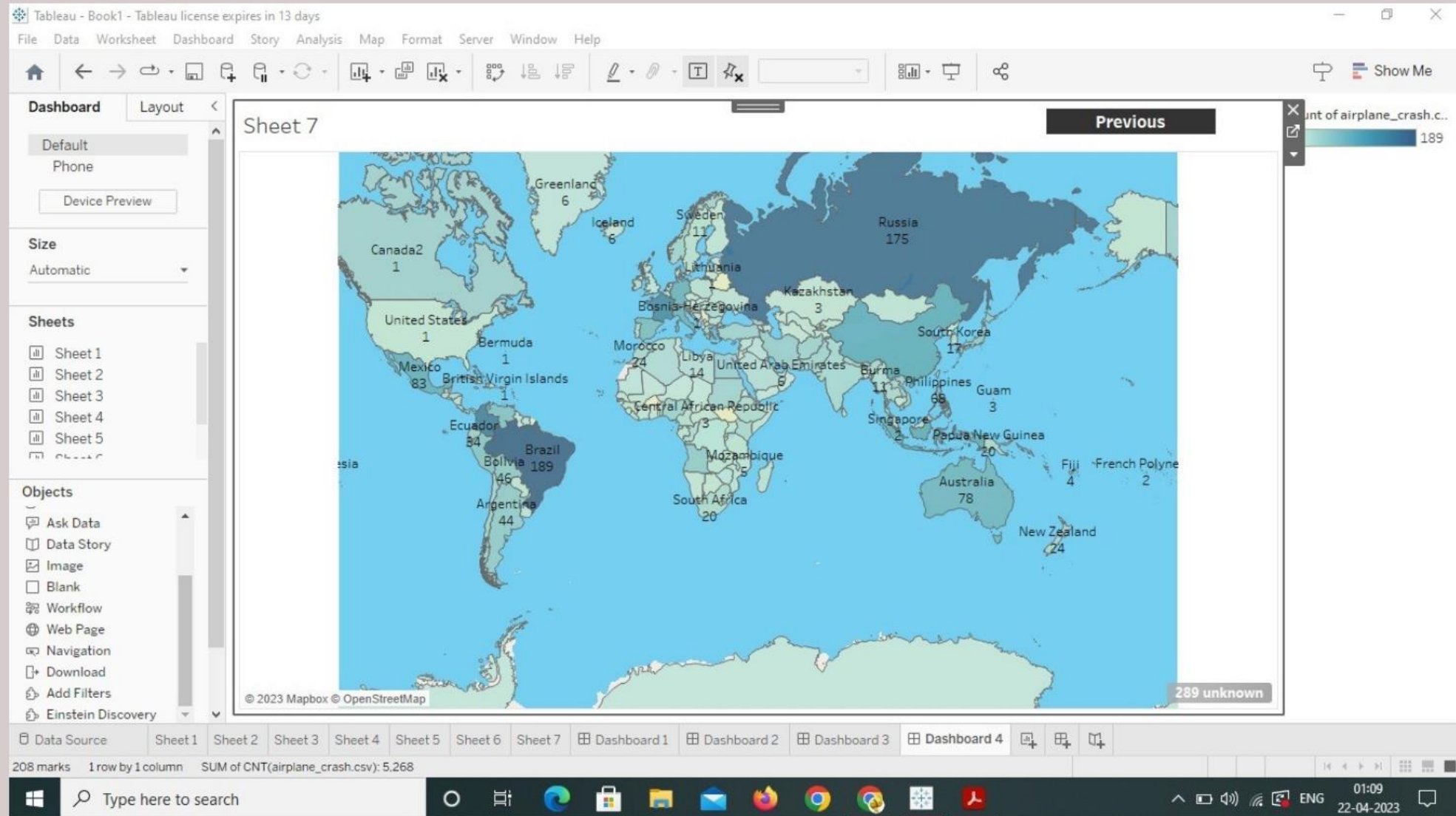


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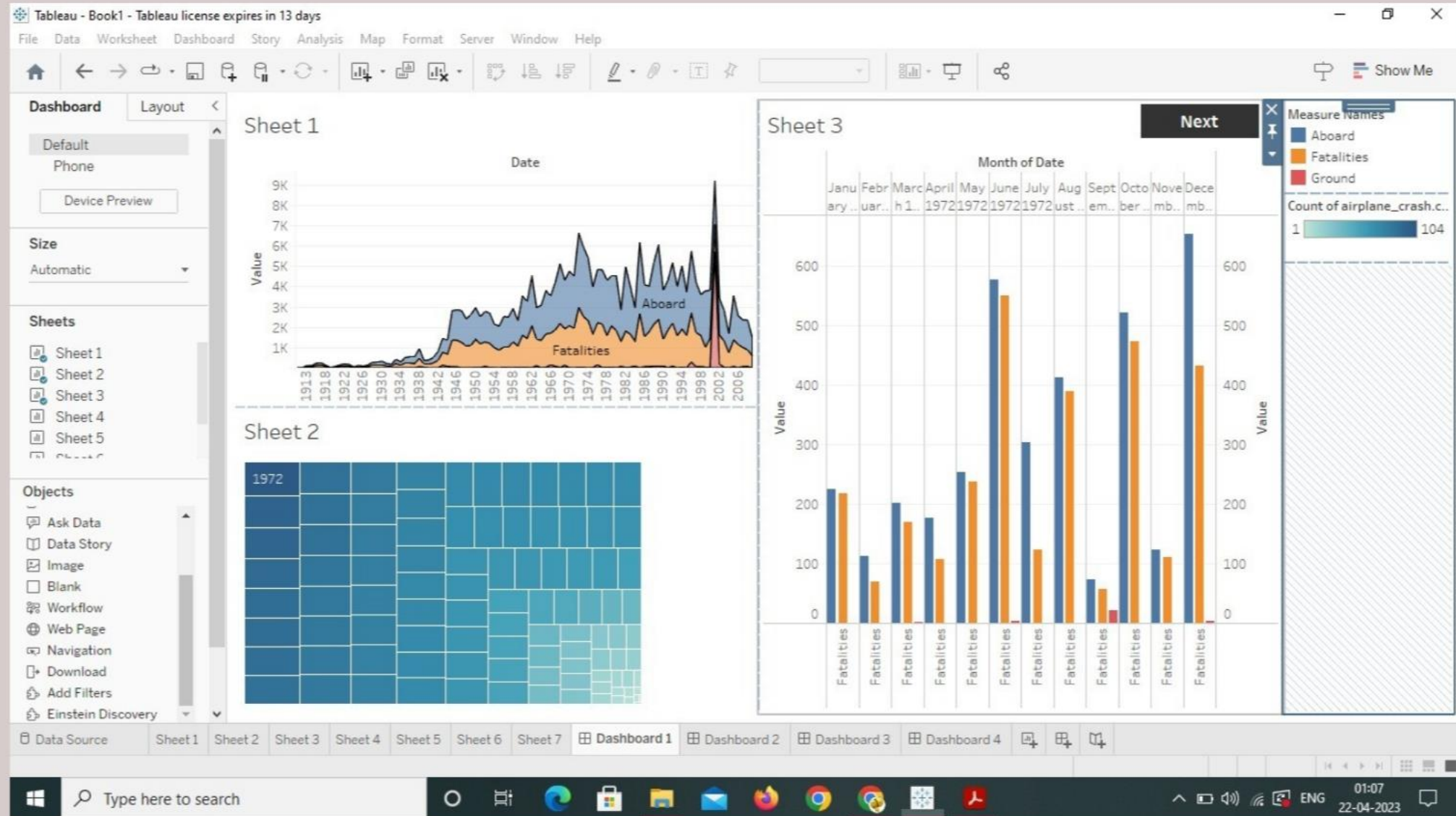




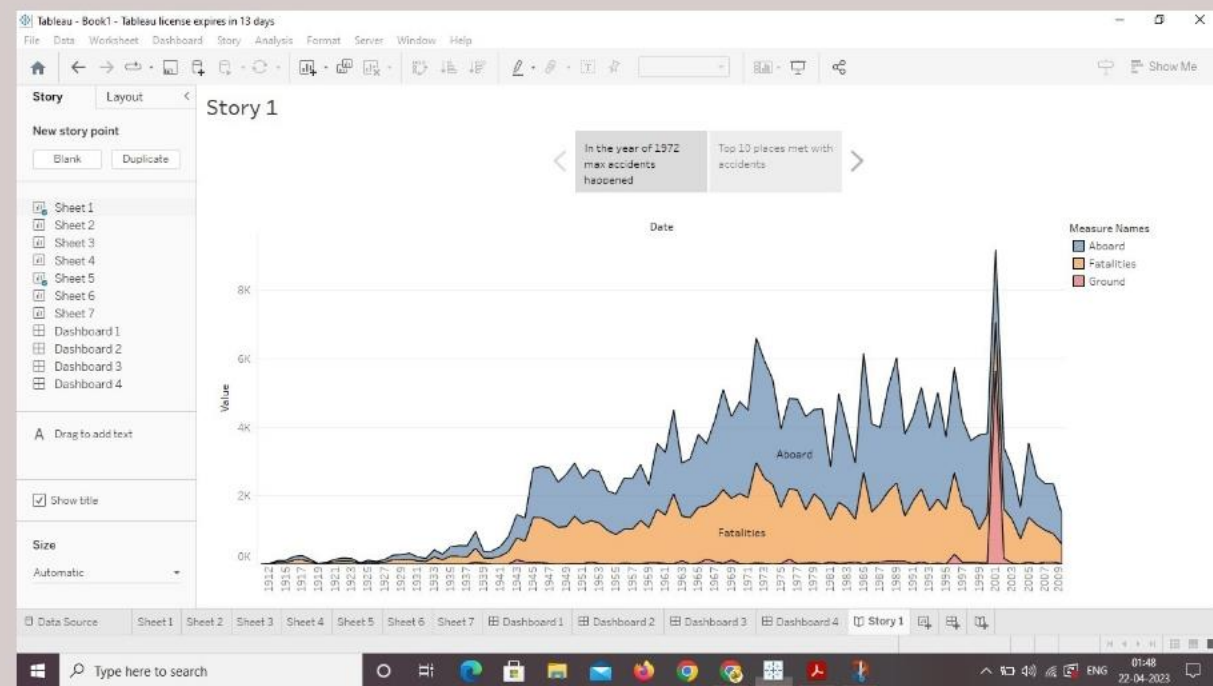
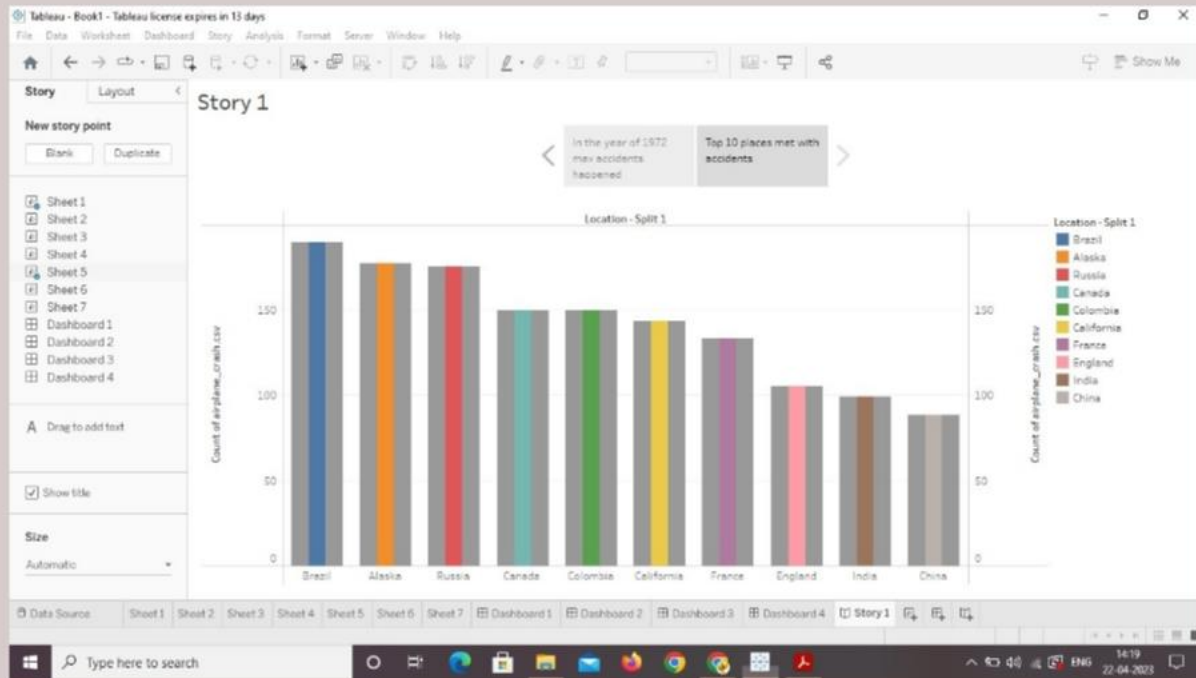
# Step 7 :



# Dashboard :



# Story :





# Conclusion :

**In conclusion, comprehensive crash analysis is a critical process for investigating vehicle collisions and determining the factors that contributed to them. This analysis is used in legal proceedings, insurance claims, safety improvements, product recalls, forensic investigations, and research and development efforts aimed at improving vehicle safety.**