The Tragedy of Flight:
A comprehensive crash analysis

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Team Members :

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- Ranjith Kumar M
- Deepak Kumar S
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Comprehensive Crafts Analysis

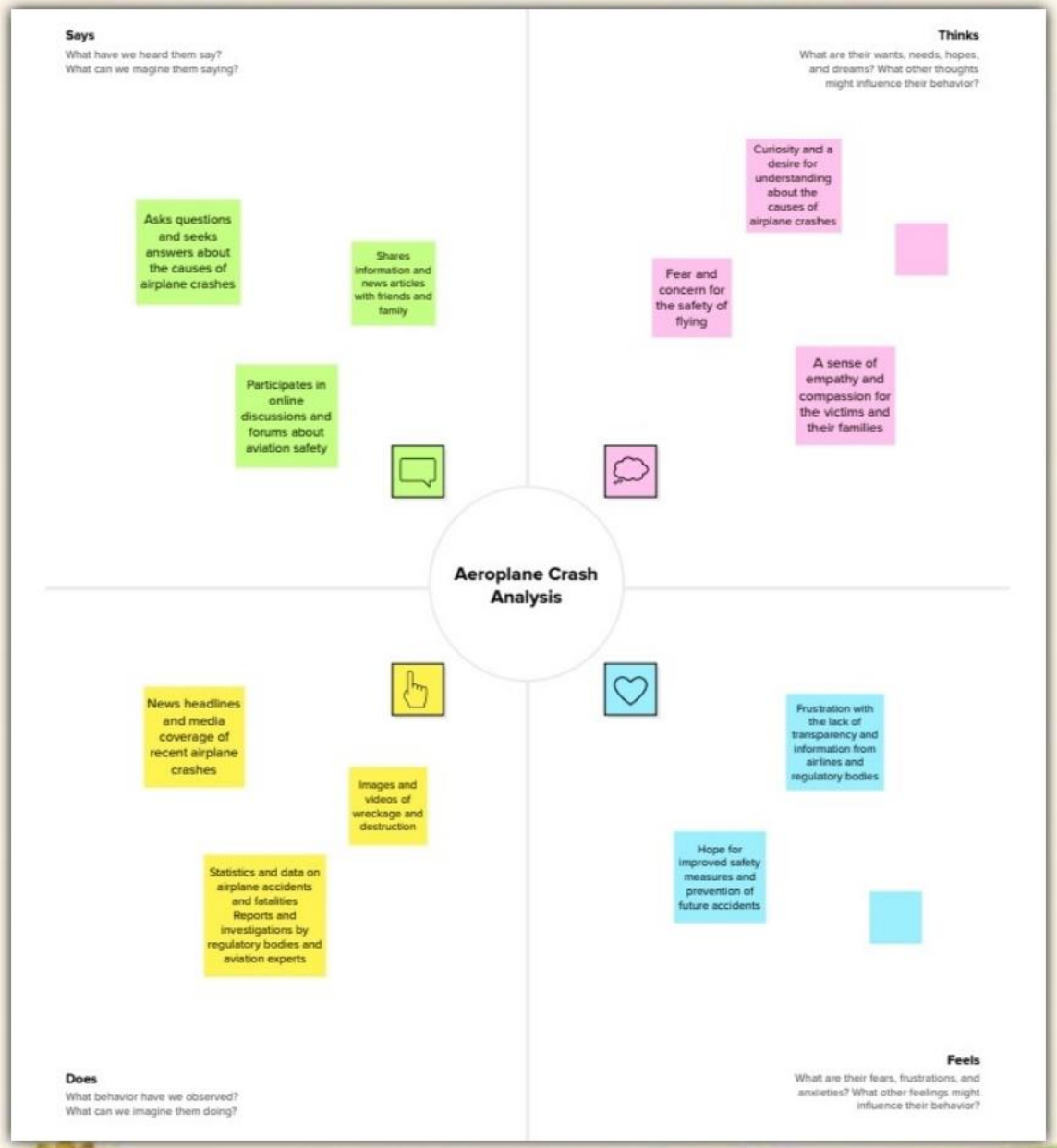
- Introduction
- Problem design and design thinking
- Advantages and disadvantages
- Applications
- Future Scope
- Step in tableau, dashboard, story
- Conclusion

Problem Definition :

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 under Standing of a problem



BrainStroming :

As team we made Collect points and given according to person

3

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 and 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

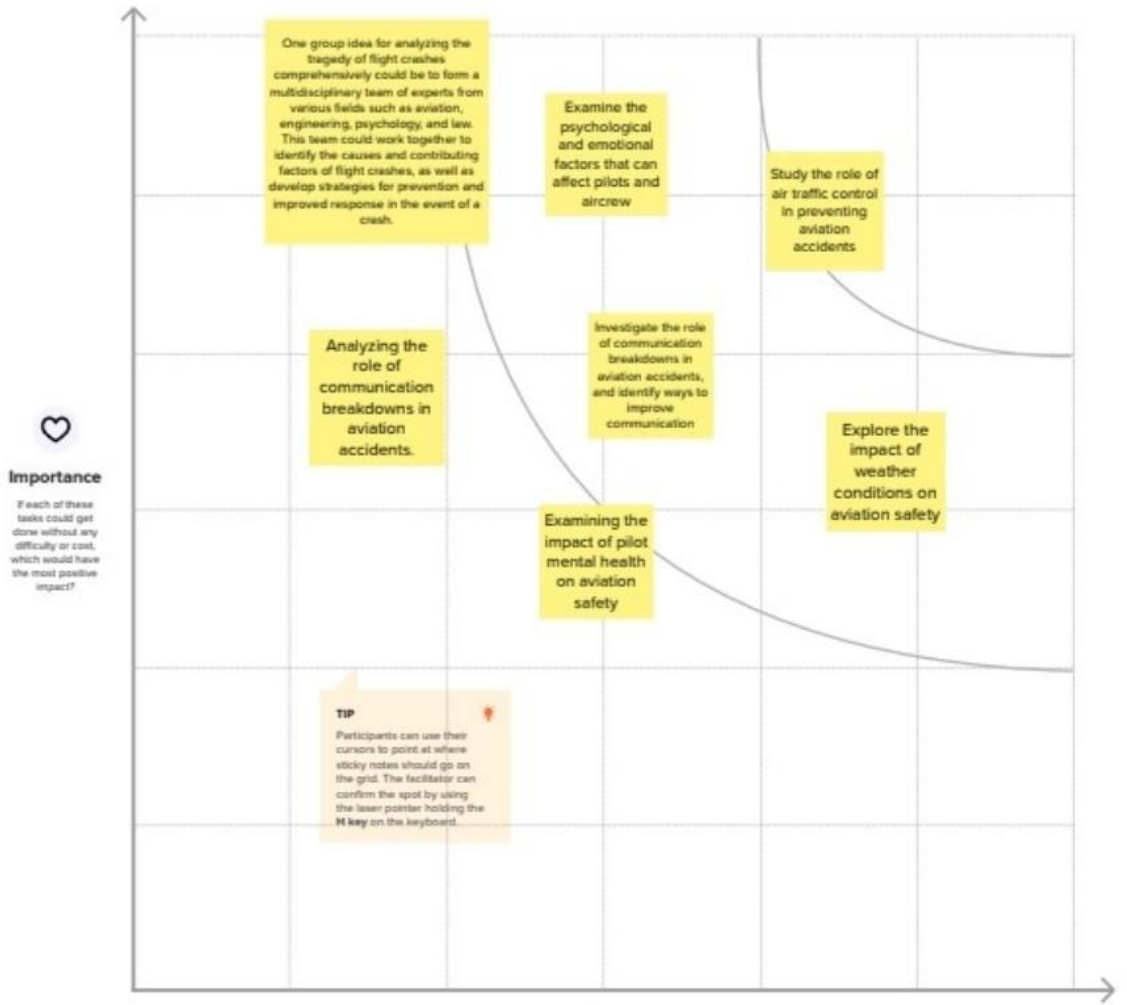
Add customizable tags to sticky notes to make it easier to find, browse, organize, and categorize important ideas as themes within your mural.

4

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 :

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.

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 :

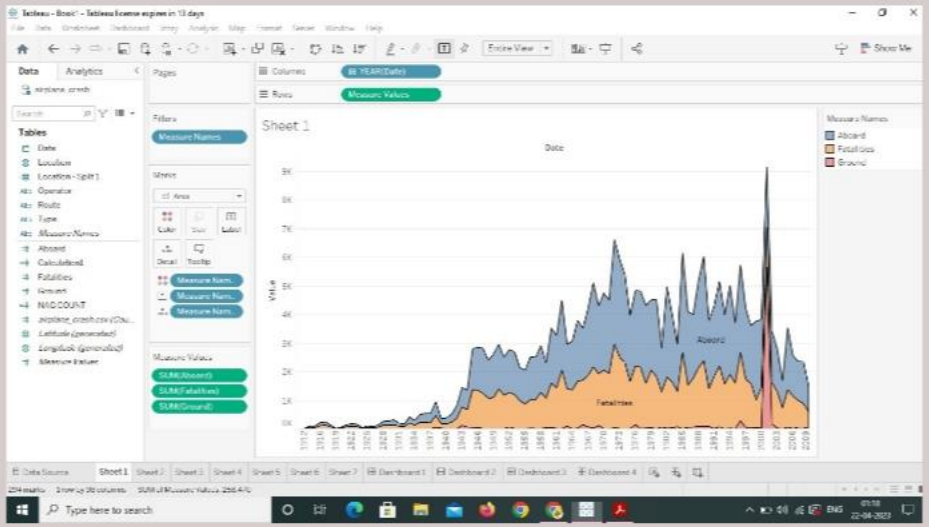
Application :

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

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 :



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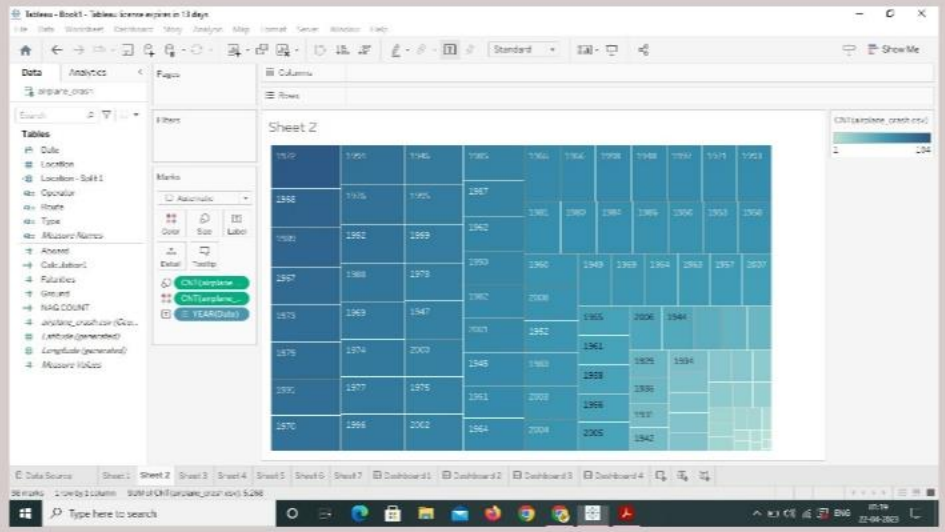

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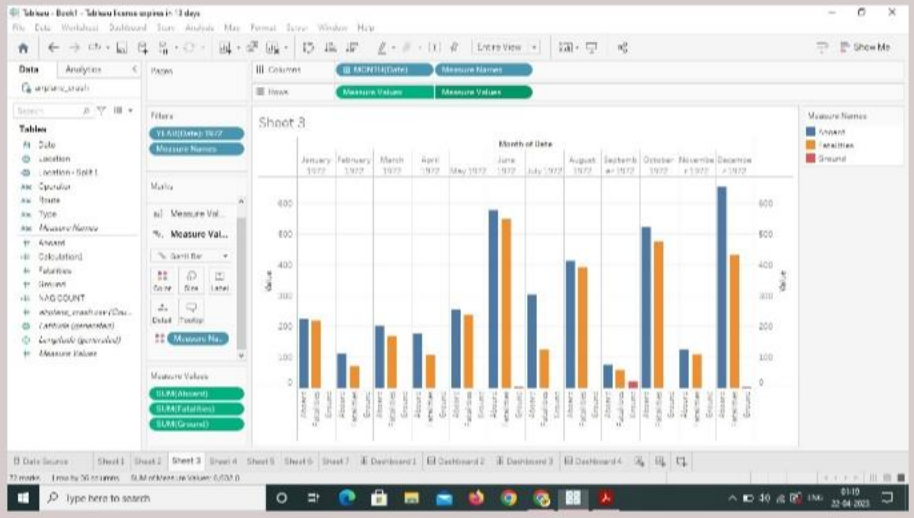

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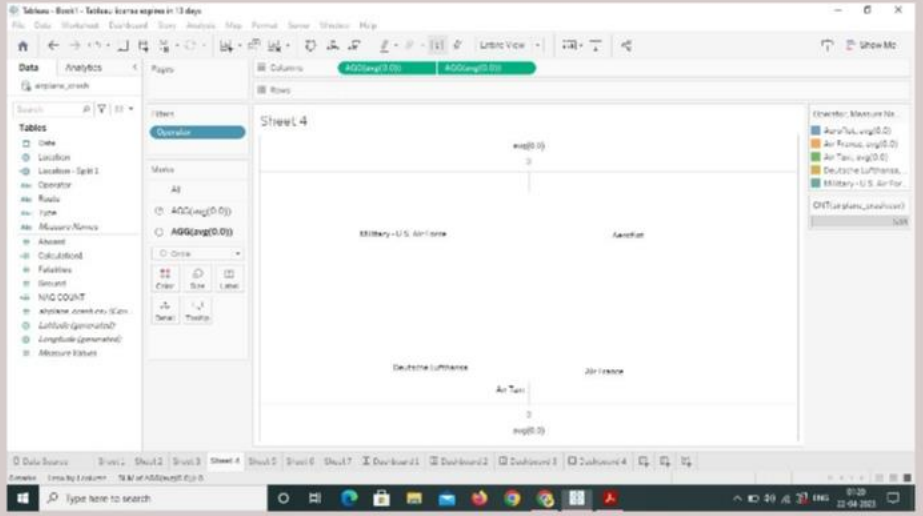

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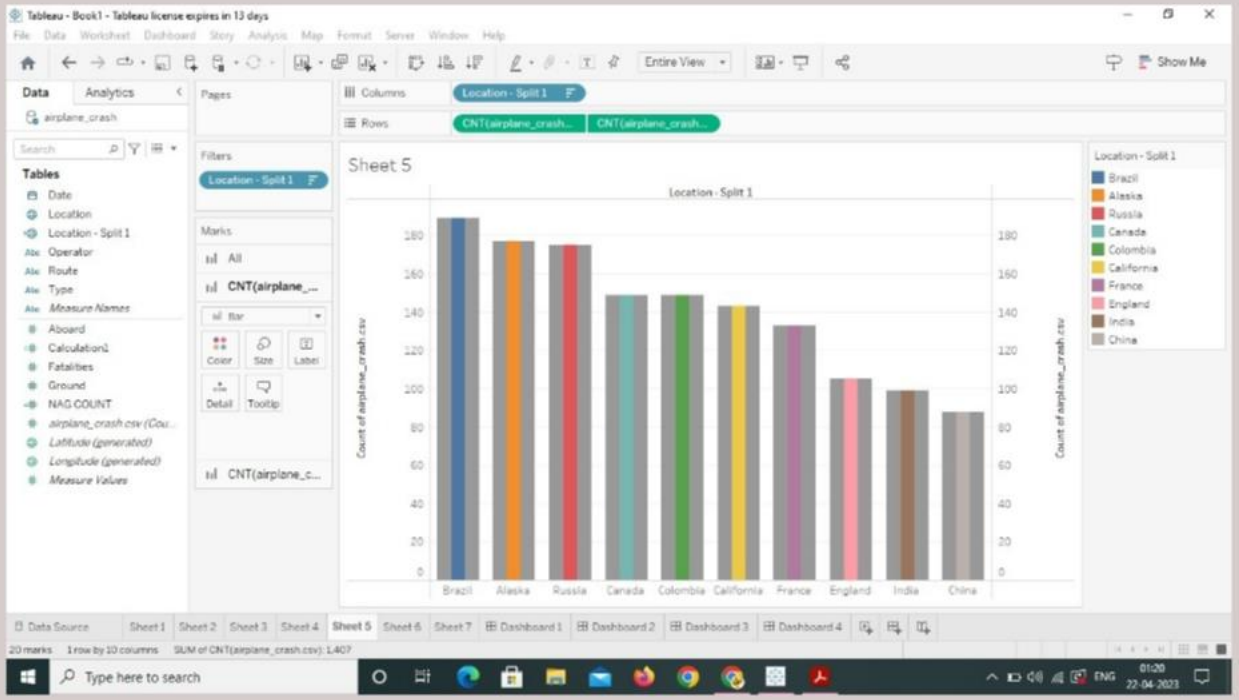
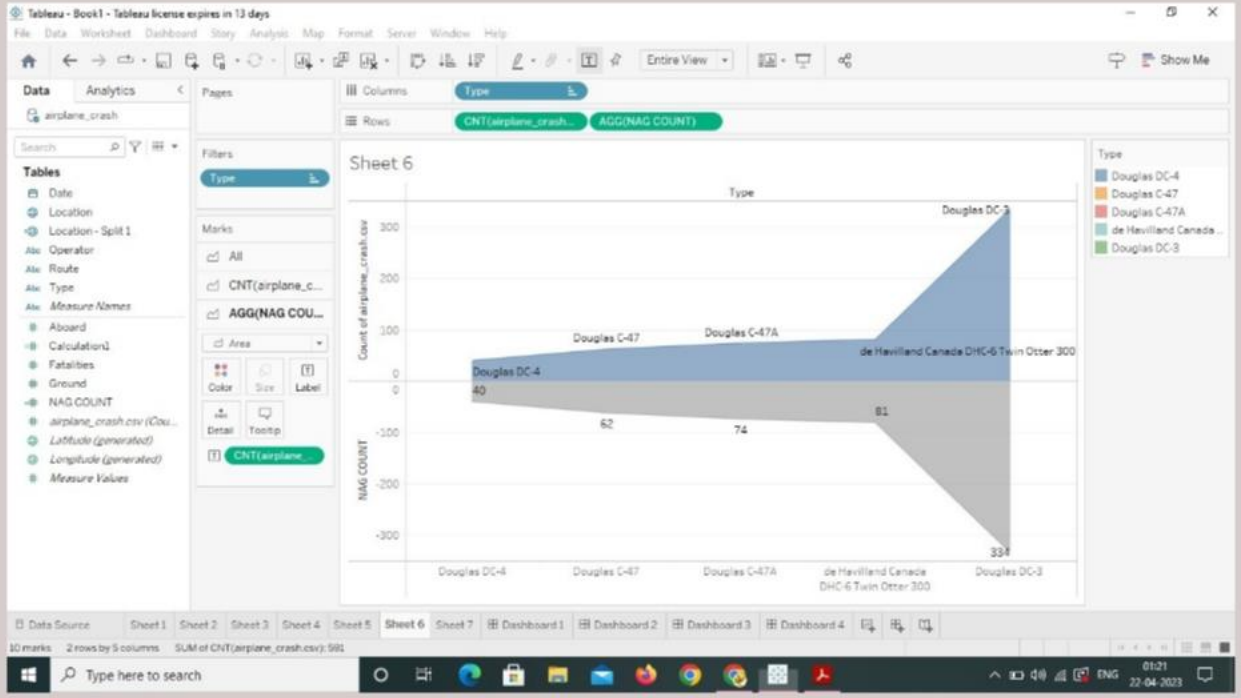
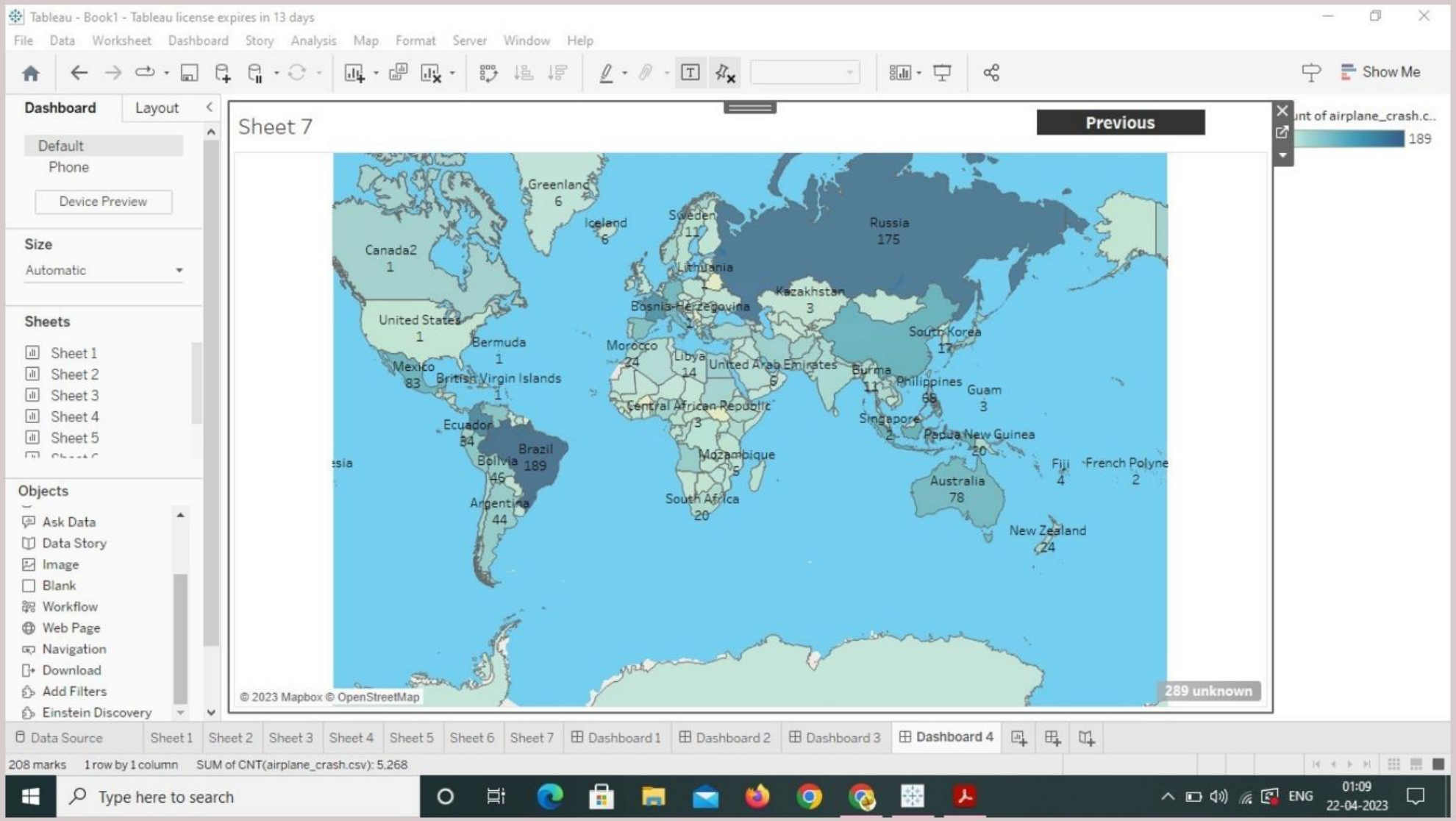

Sheet 5
Location - Split 1
Brazil
Alaska
Russia
Canada
Colombia
California
France
England
India
China
Count of airplane_crash.csv

Step 6 :


Sheet 6
Type
Douglas DC-4
Douglas C-47
Douglas C-47A
de Havilland Canada DHC-6 Twin Otter 300
Douglas DC-3
NAG COUNT

Step 7 :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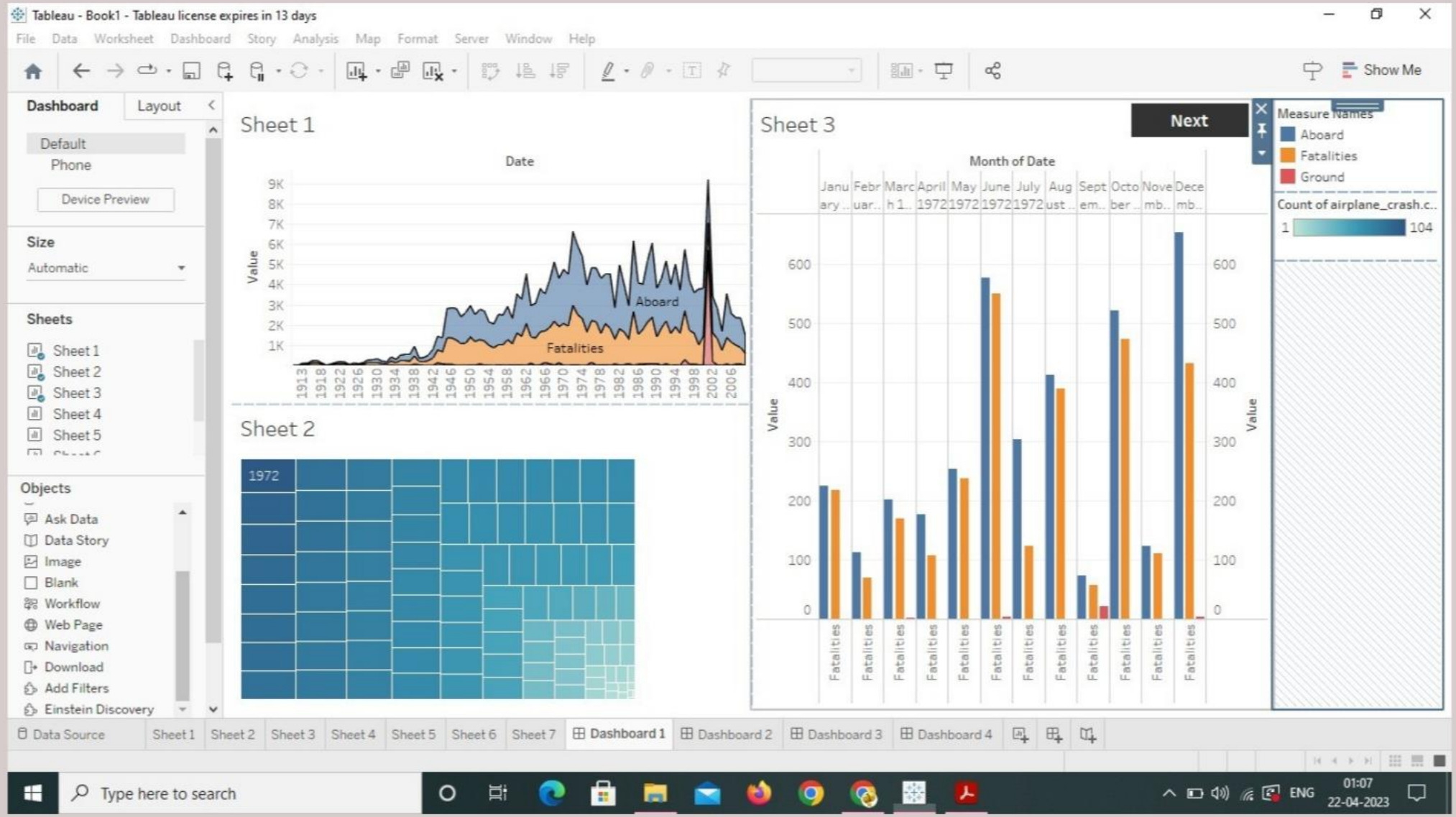
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Show Me
Dashboard Layout
Default
Phone
Device Preview
Size
Automatic
Sheets
Sheet 1
Sheet 2
Sheet 3
Sheet 4
Sheet 5
Objects
Ask Data
Data Story
Image
Blank
Workflow
Web Page
Navigation
Download
Add Filters
Einstein Discovery
Sheet 7
Previous
Greenland 6
Iceland 6
Sweden 11
Russia 175
Canada2 1
Lithuania 1
Kazakhstan 3
Bosnia-Herzegovina 1
United States 1
Bermuda 1
Morocco 24
Libya 14
United Arab Emirates 6
South Korea 17
Mexico 83
British Virgin Islands 1
Burma 11
Philippines 66
Guam 3
Central African Republic 3
Singapore 2
Ecuador 34
Papua New Guinea 20
Brazil 189
Bolivia 46
Mozambique 5
Fiji 4
French Polyne 2
Australia 78
Argentina 44
South Africa 20
New Zealand 24
© 2023 Mapbox © OpenStreetMap
289 unknown
unt of airplane_crash.c..
189
Data Source
Sheet 1
Sheet 2
Sheet 3
Sheet 4
Sheet 5
Sheet 6
Sheet 7
Dashboard 1
Dashboard 2
Dashboard 3
Dashboard 4
208 marks
1 row by 1 column
SUM of CNT(airplane_crash.csv): 5,268
Type here to search
ENG
01:09
22-04-2023

Dashboard :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Download
Add Filters
Einstein Discovery
Sheet 1
Date
Value
Aboard
Fatalities
Sheet 2
1972
Sheet 3
Next
Month of Date
Measure Names
Aboard
Fatalities
Ground
Count of airplane_crash.c..
1
104
Data Source
Sheet 1
Sheet 2
Sheet 3
Sheet 4
Sheet 5
Sheet 6
Sheet 7
Dashboard 1
Dashboard 2
Dashboard 3
Dashboard 4
Type here to search
ENG
01:07
22-04-2023

Story :

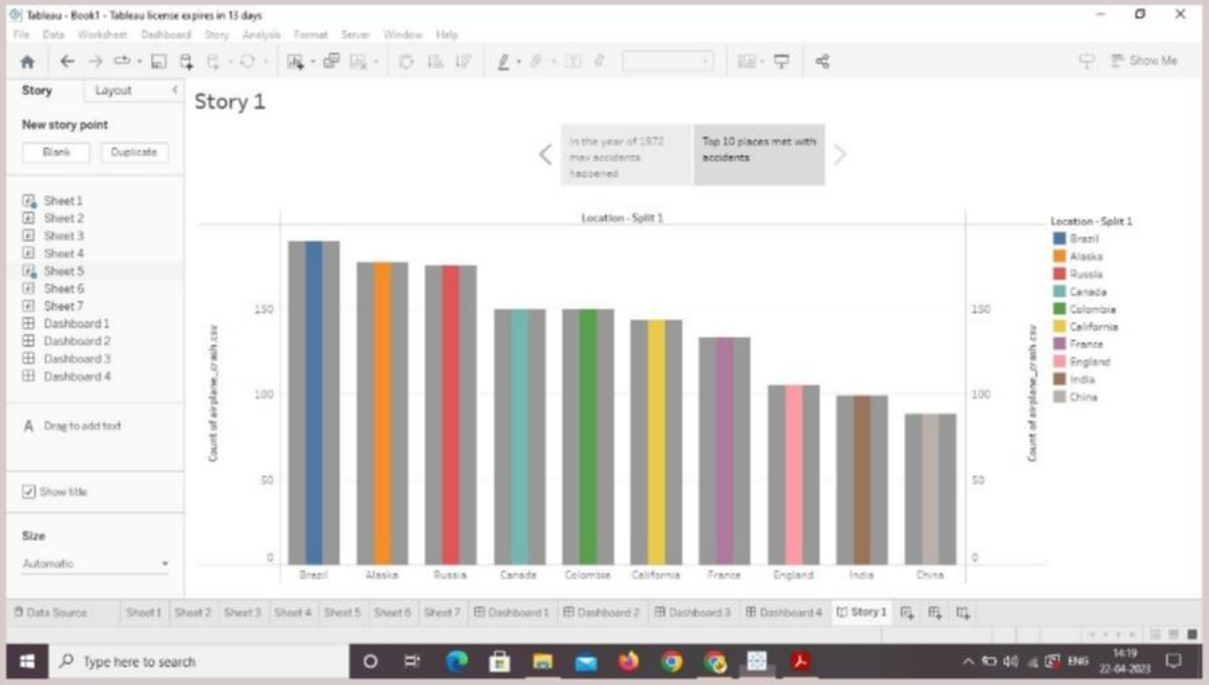
Tableau - Book1 - Tableau license expires in 13 days
Story 1
In the year of 1972 max accidents happened
Top 10 places met with accidents
Location - Split 1
Brazil
Alaska
Russia
Canada
Colombia
California
France
England
India
China

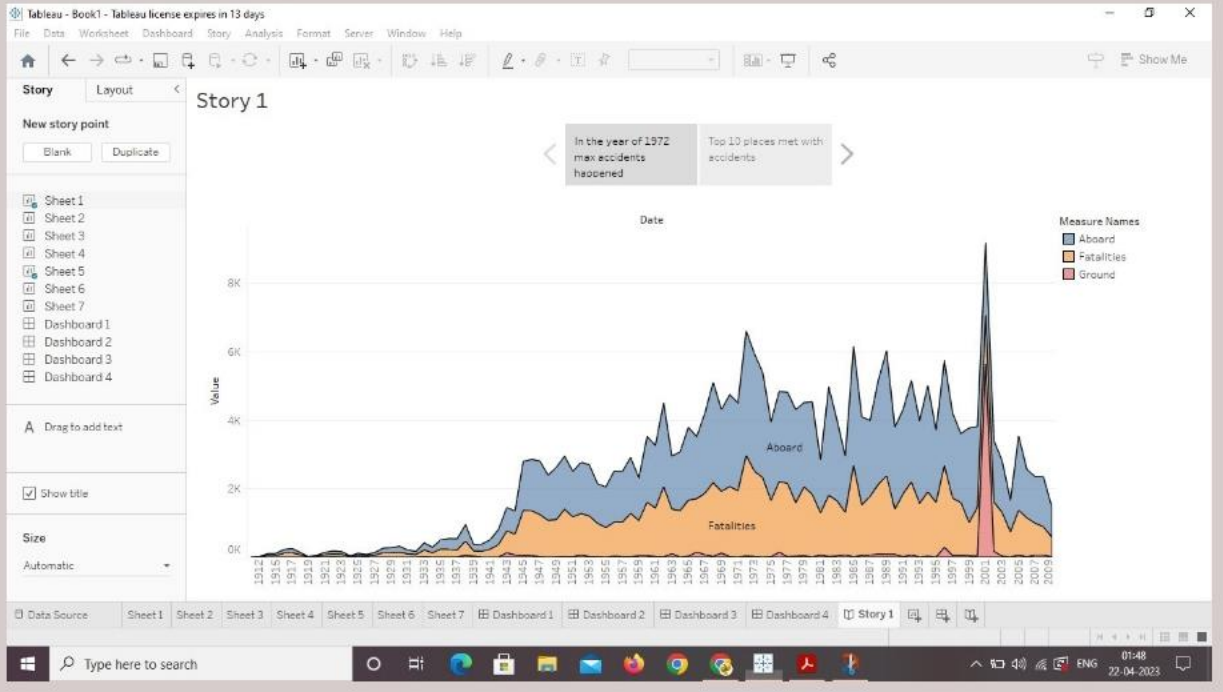
Tableau - Book1 - Tableau license expires in 13 days
Story 1
In the year of 1972 max accidents happened
Top 10 places met with accidents
Date
Measure Names
Aboard
Fatalities
Ground
Value
Aboard
Fatalities

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.