The Tragedy of Flight: A Comprehensive Crash Analysis

1. INTRODUCTION:

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

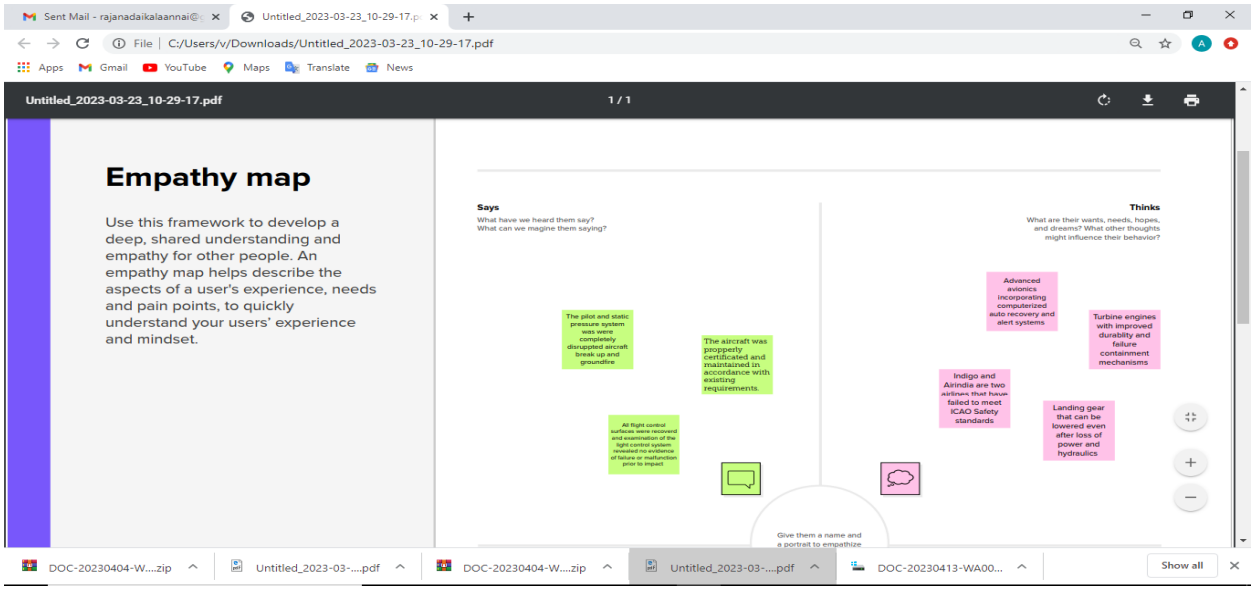
Purpose:

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.

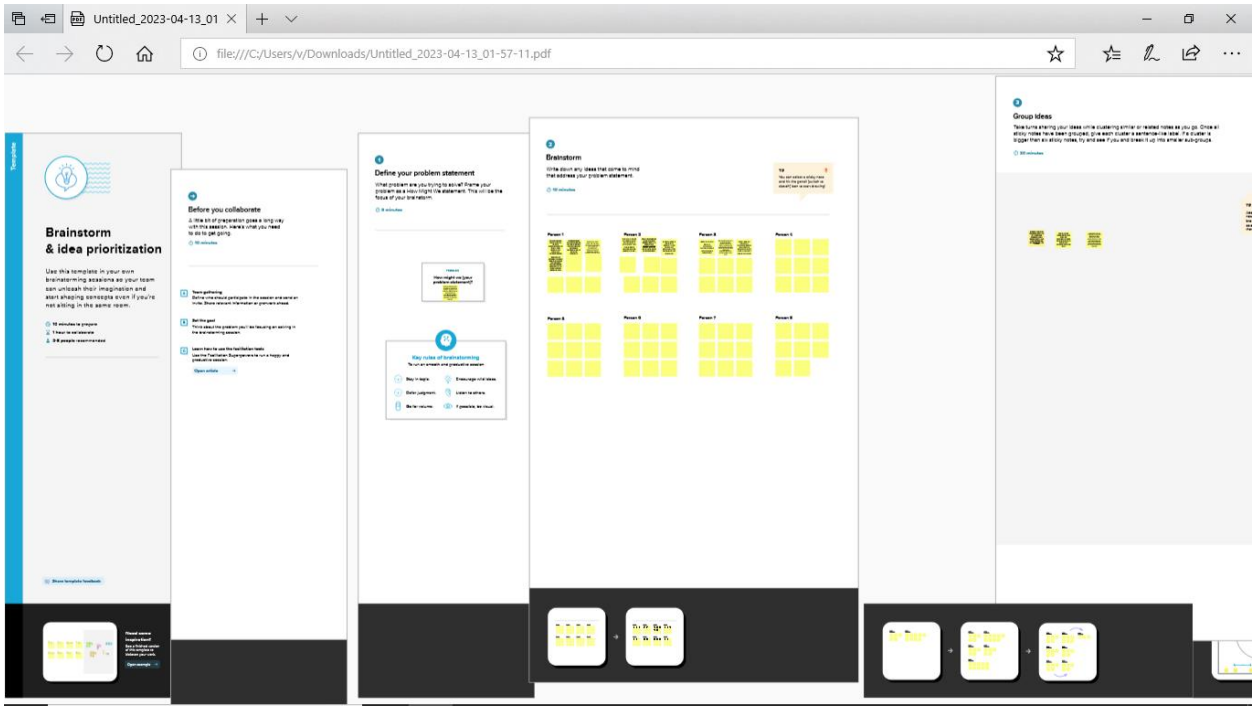
Aviation accident analysis is performed to determine the cause of errors once an accident has happened. In the modern aviation industry, it is also used to analyze a database of past accidents in order to prevent an accident from happening.

2. PROBLEM DEFINITION & DESIGN THINKING:

Empathy map

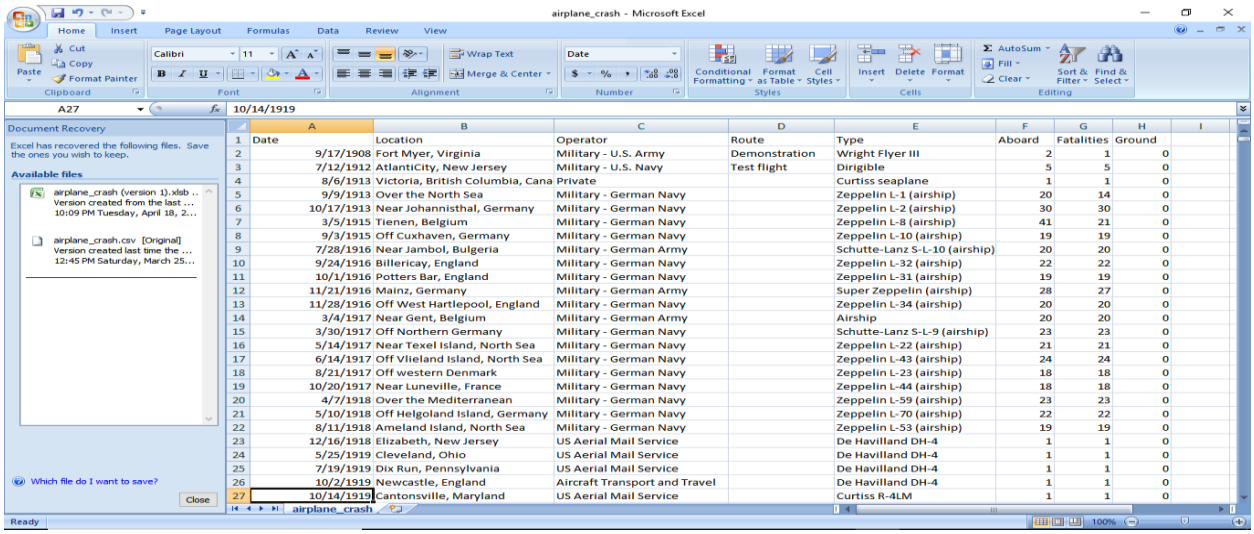


Ideation & Brainstorming



3. RESULT:

Dataset Download



Date	Location	Operator	Route	Type	Aboard	Fatalities	Ground
9/17/1908	Fort Myer, Virginia	Military - U.S. Army	Demonstration	Wright Flyer III	2	1	0
7/12/1912	AtlantiCity, New Jersey	Military - U.S. Navy	Test flight	Dirigible	5	5	0
8/6/1913	Victoria, British Columbia, Cana	Private		Curtiss seaplane	1	1	0
9/9/1913	Over the North Sea	Military - German Navy		Zeppelin L-1 (airship)	20	14	0
10/17/1913	Near Johannisthal, Germany	Military - German Navy		Zeppelin L-2 (airship)	30	30	0
3/5/1915	Tienen, Belgium	Military - German Navy		Zeppelin L-8 (airship)	41	21	0
9/3/1915	Off Cuxhaven, Germany	Military - German Navy		Zeppelin L-10 (airship)	19	19	0
7/28/1916	Near Jambol, Bulgeria	Military - German Army		Schutte-Lanz S-L-10 (airship)	20	20	0
9/24/1916	Billericay, England	Military - German Navy		Zeppelin L-32 (airship)	22	22	0
10/1/1916	Potters Bar, England	Military - German Navy		Zeppelin L-31 (airship)	19	19	0
11/21/1916	Mainz, Germany	Military - German Army		Super Zeppelin (airship)	28	27	0
11/28/1916	Off West Hartlepool, England	Military - German Navy		Zeppelin L-34 (airship)	20	20	0
3/4/1917	Near Gent, Belgium	Military - German Army		Airship	20	20	0
3/30/1917	Off Northern Germany	Military - German Navy		Schutte-Lanz S-L-9 (airship)	23	23	0
5/14/1917	Near Texel Island, North Sea	Military - German Navy		Zeppelin L-22 (airship)	21	21	0
6/14/1917	Off Vlieland Island, North Sea	Military - German Navy		Zeppelin L-43 (airship)	24	24	0
8/21/1917	Off western Denmark	Military - German Navy		Zeppelin L-23 (airship)	18	18	0
10/20/1917	Near Luneville, France	Military - German Navy		Zeppelin L-44 (airship)	18	18	0
4/7/1918	Over the Mediterranean	Military - German Navy		Zeppelin L-59 (airship)	23	23	0
5/10/1918	Off Helgoland Island, Germany	Military - German Navy		Zeppelin L-70 (airship)	22	22	0
8/11/1918	Ameland Island, North Sea	Military - German Navy		Zeppelin L-53 (airship)	19	19	0
12/16/1918	Elizabeth, New Jersey	US Aerial Mail Service		De Havilland DH-4	1	1	0
5/25/1919	Cleveland, Ohio	US Aerial Mail Service		De Havilland DH-4	1	1	0
7/19/1919	Dix Run, Pennsylvania	US Aerial Mail Service		De Havilland DH-4	1	1	0
10/2/1919	Newcastle, England	Aircraft Transport and Travel		De Havilland DH-4	1	1	0
10/14/1919	Cantonsville, Maryland	US Aerial Mail Service		Curtiss R-4LM	1	1	0

My Sql

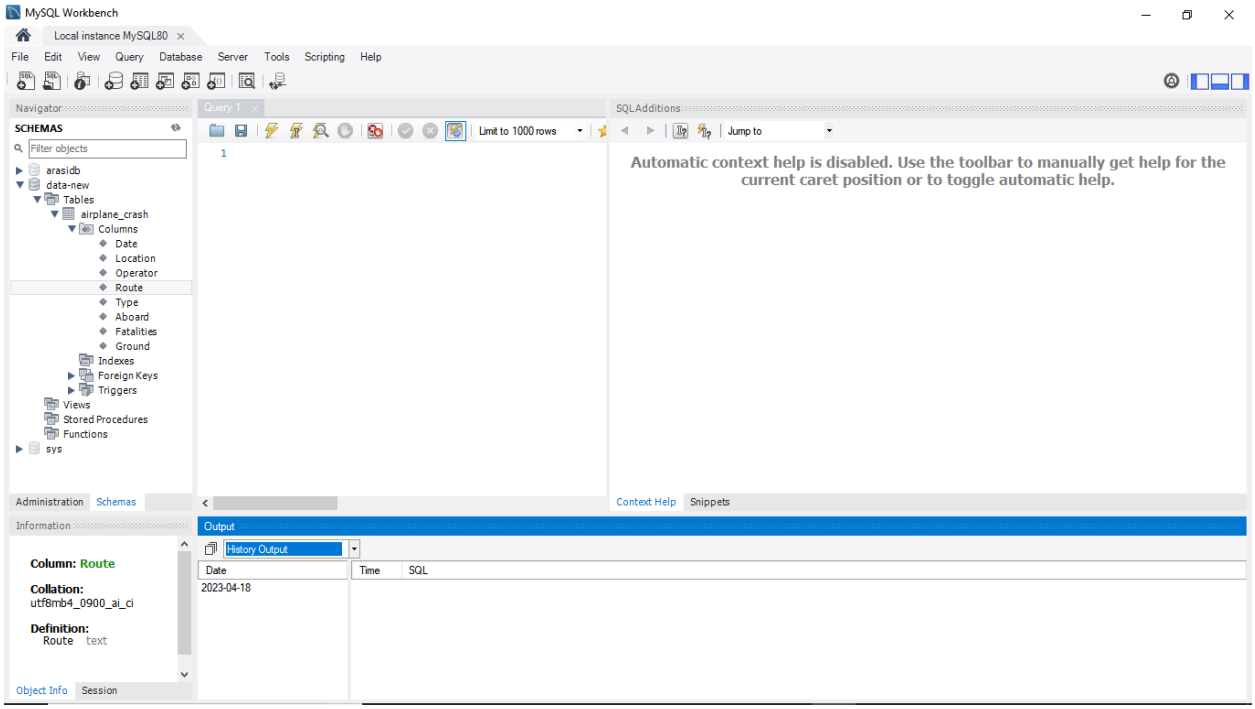
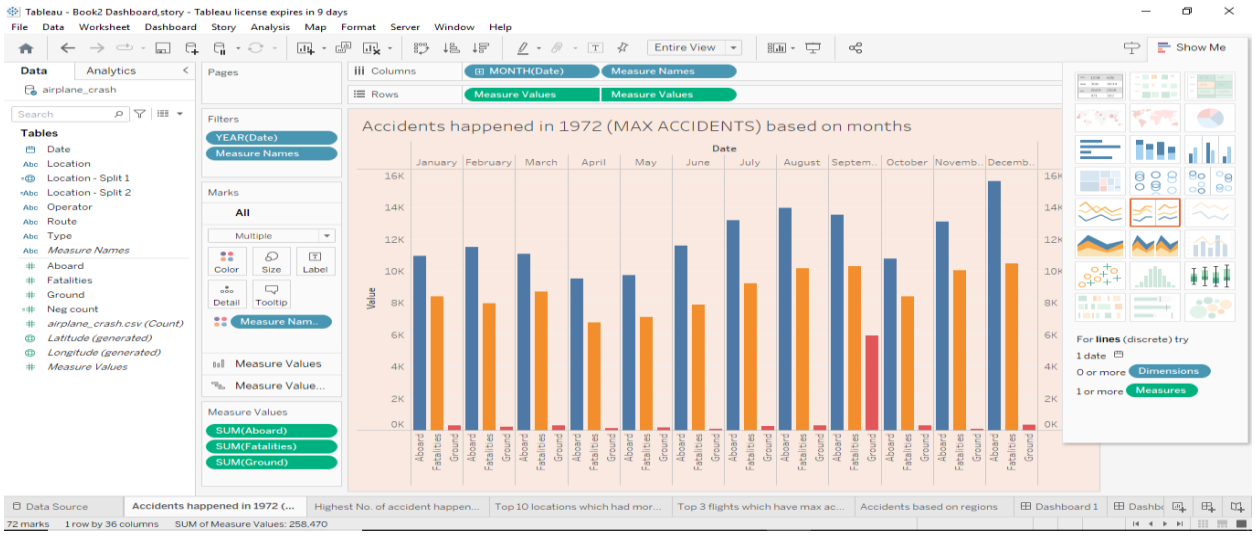
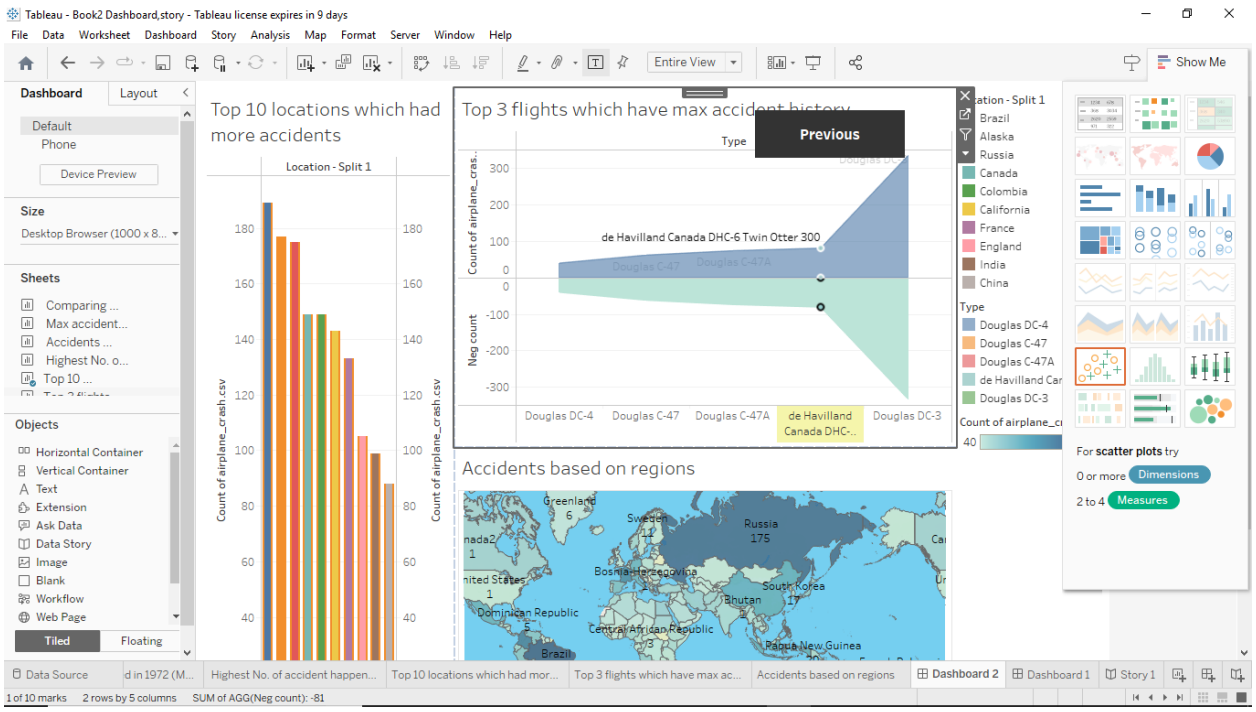


Tableau:

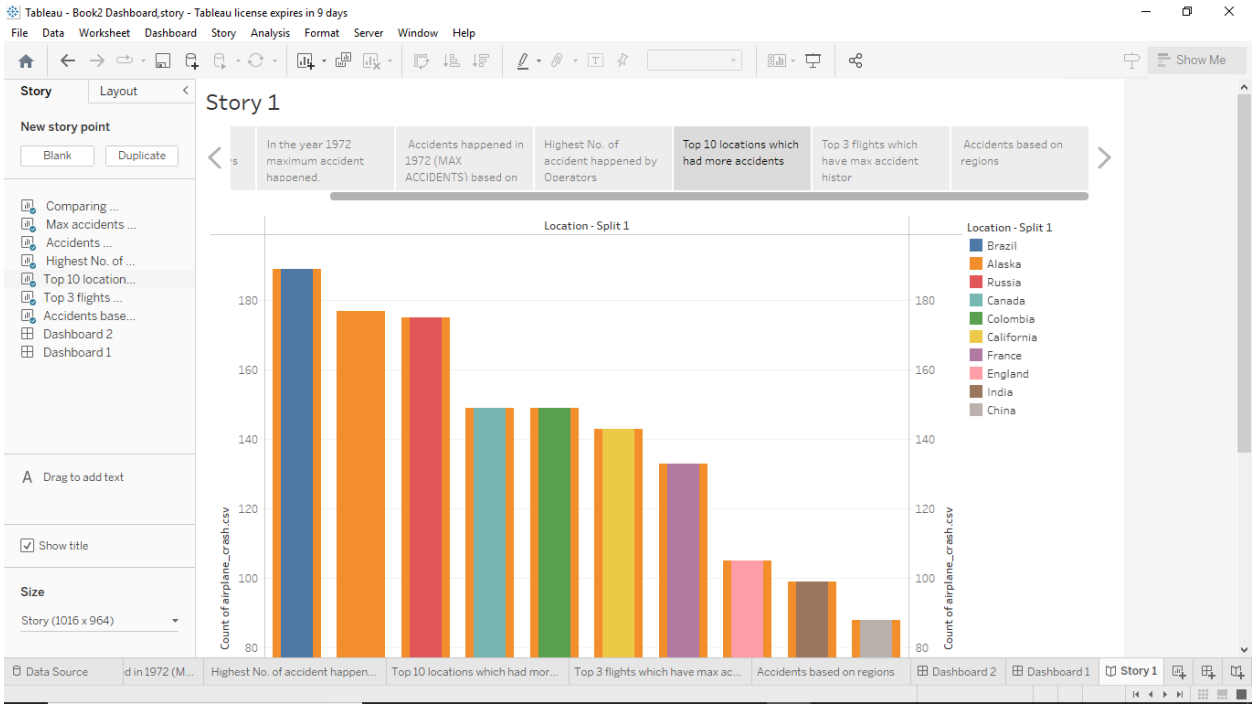
Sheet



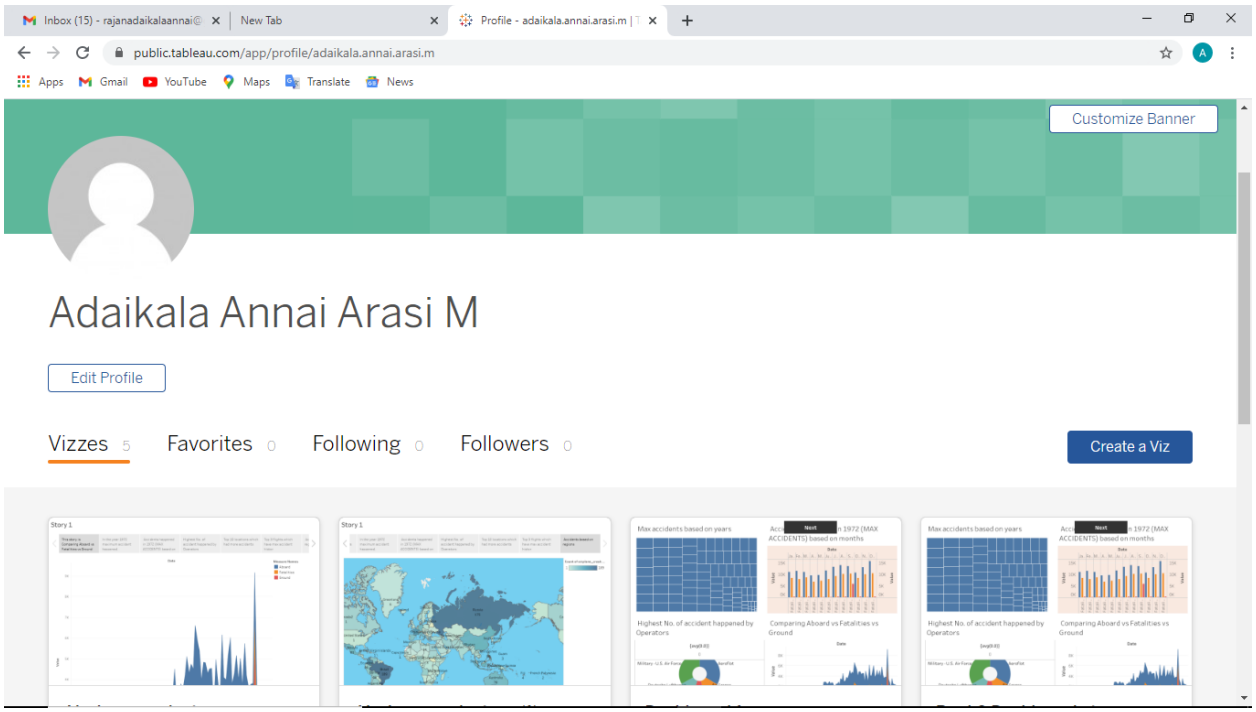
Dashboard



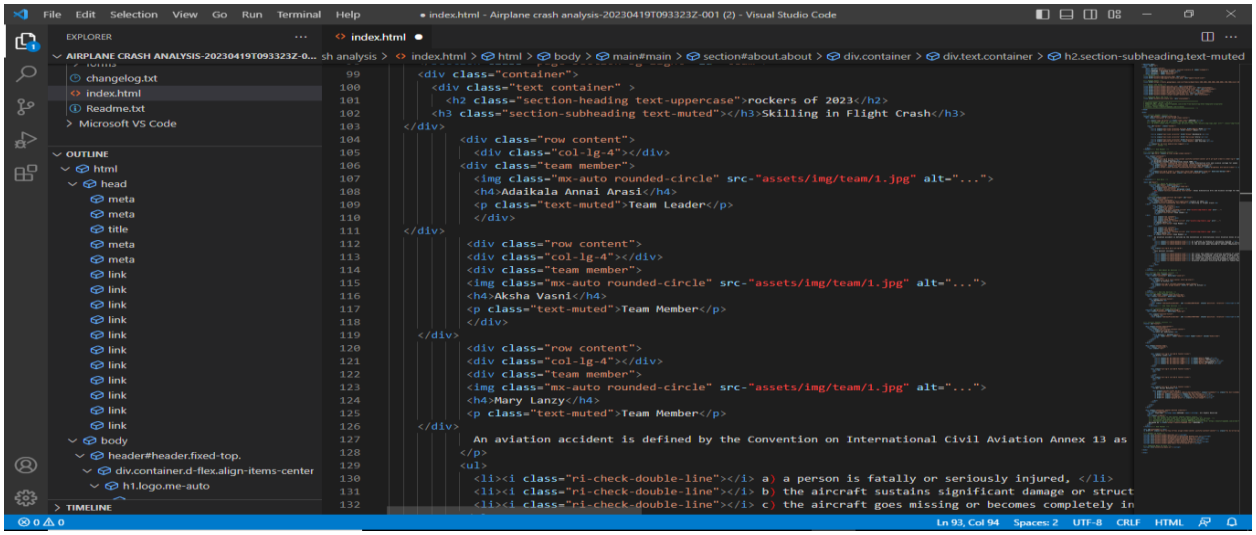
Story



Publish



VS Code


File Edit Selection View Go Run Terminal Help
• index.html - Airplane crash analysis-20230419T093323Z-001 (2) - Visual Studio Code
EXPLORER
index.html
changelog.txt
index.html
Readme.txt
Microsoft VS Code
OUTLINE
TIMELINE

<h2 class="section-heading text-uppercase">rockers of 2023</h2>
<h3 class="section-subheading text-muted"></h3>Skilling in Flight Crash</h3>

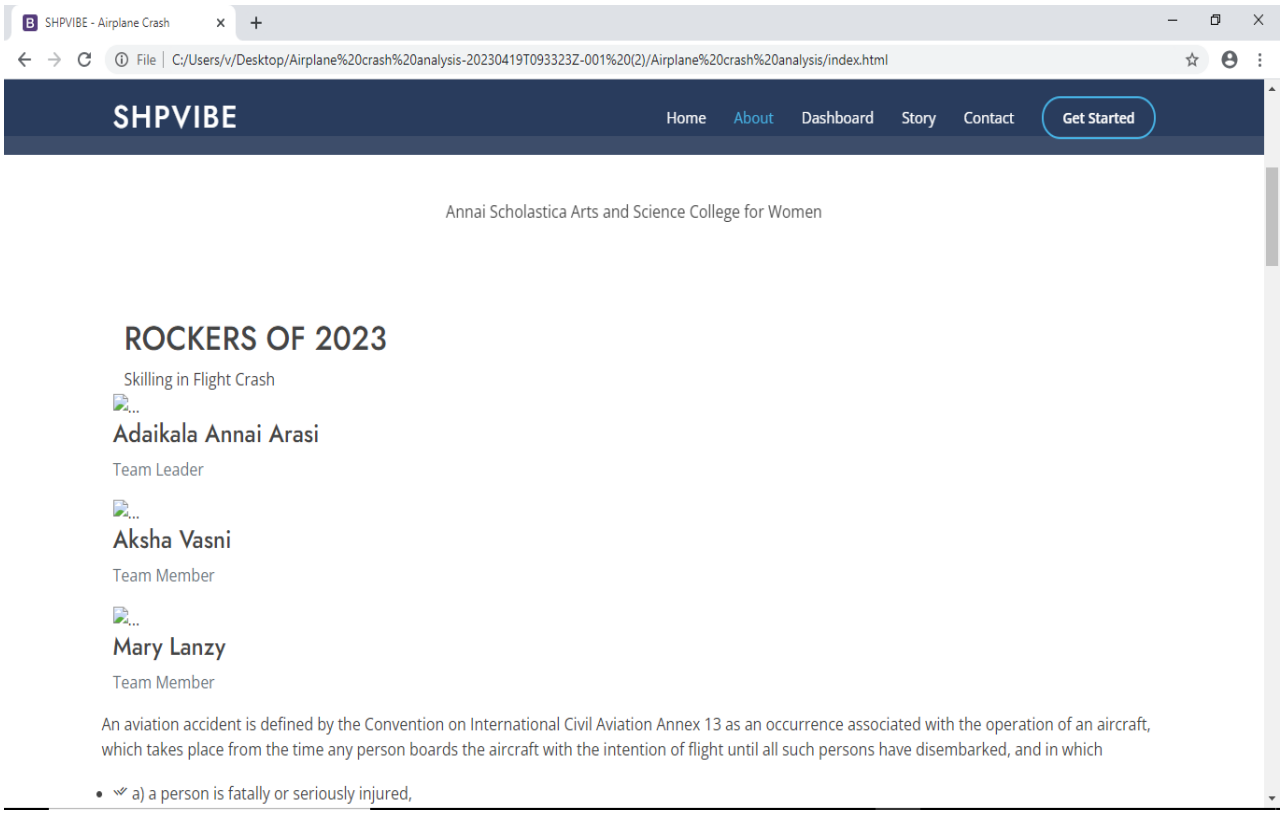
<img class="mx-auto rounded-circle" src="assets/img/team/1.jpg" alt="...">
<h4>Adaikala Annai Arasi</h4>
Team Leader

<img class="mx-auto rounded-circle" src="assets/img/team/1.jpg" alt="...">
<h4>Aksha Vasni</h4>
Team Member

<img class="mx-auto rounded-circle" src="assets/img/team/1.jpg" alt="...">
<h4>Mary Lanzy</h4>
Team Member

An aviation accident is defined by the Convention on International Civil Aviation Annex 13 as

 a) a person is fatally or seriously injured,
 b) the aircraft sustains significant damage or struct
 c) the aircraft goes missing or becomes completely in


SHPVIBE - Airplane Crash
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SHPVIBE
Home
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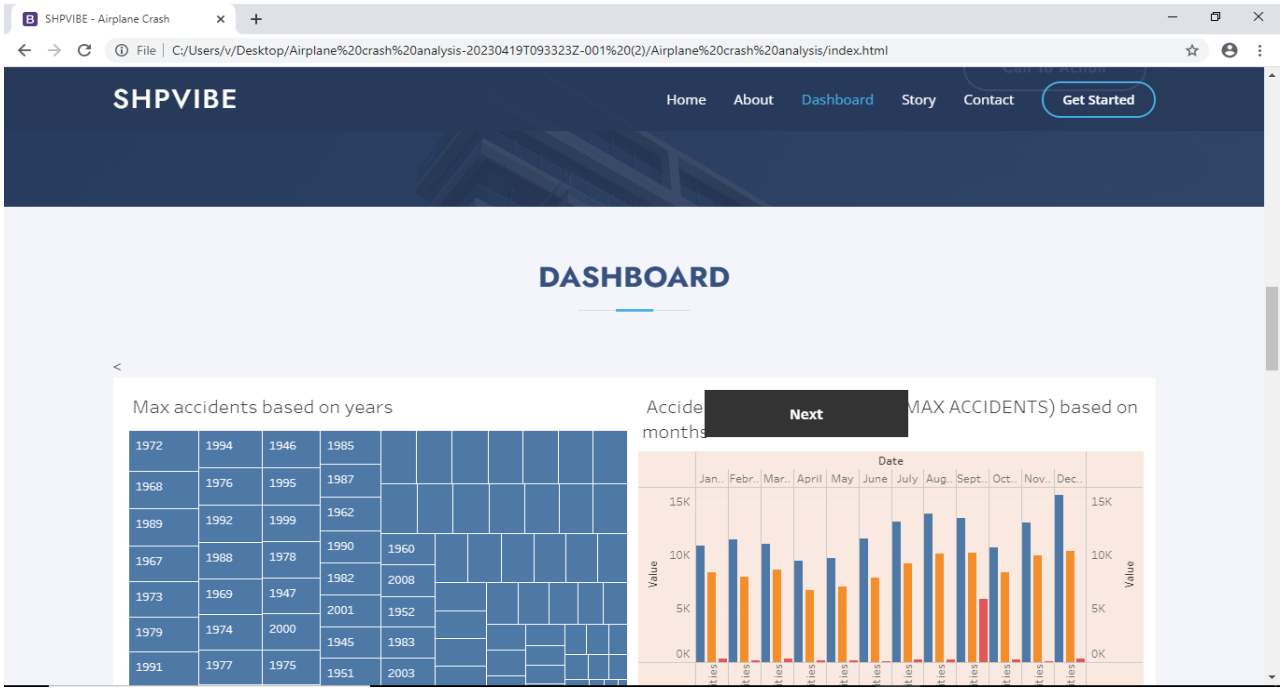
Dashboard
Story
Contact
Get Started
Annai Scholastica Arts and Science College for Women
ROCKERS OF 2023
Skilling in Flight Crash
Adaikala Annai Arasi
Team Leader
Aksha Vasni
Team Member
Mary Lanzy
Team Member
An aviation accident is defined by the Convention on International Civil Aviation Annex 13 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,


SHPVIBE - Airplane Crash
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SHPVIBE
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DASHBOARD
Max accidents based on years
1972
1994
1946
1985
1968
1976
1995
1987
1962
1989
1992
1999
1967
1988
1978
1990
1960
1973
1969
1947
1982
2008
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Next
MAX ACCIDENTS) based on
months
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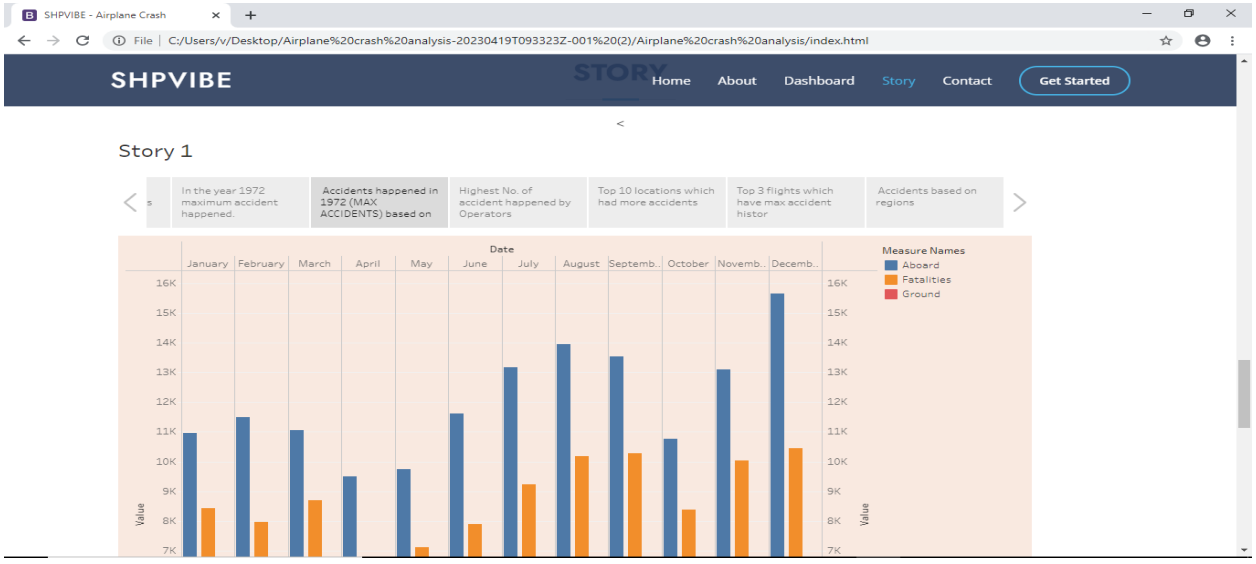
Value


SHPVIBE - Airplane Crash
File | C:/Users/v/Desktop/Airplane%20crash%20analysis-20230419T093323Z-001%20(2)/Airplane%20crash%20analysis/index.html
SHPVIBE
STORY
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Get Started
Story 1
In the year 1972 maximum accident happened.
Accidents happened in 1972 (MAX ACCIDENTS) based on
Highest No. of accident happened by Operators
Top 10 locations which had more accidents
Top 3 flights which have max accident histor
Accidents based on regions
Date
January
February
March
April
May
June
July
August
Septemb..
October
Novemb..
Decemb..
Measure Names
Aboard
Fatalities
Ground
16K
15K
14K
13K
12K
11K
10K
9K
8K
7K
Value

4. ADVANTAGES:

- By collecting the data we can find out the wherever airplane crashes area.
- Analyses the problem of crashes.
- This analyze used to avoid the increasing the crashes.
- We could find out the maximum number of accident zones as well as minimum, average.
- We can find out the reason for the airplane accident in the particular places.
- B y creating various chat we can give the awareness by telecast to the people.
- This data analyses are used to make our journey safely & happily.

DISADVANTAGES:

- Tableau app is cost
- Network problem
- It is struggled to understand to each one.
- Not available in mobile. Because somebody have no system.
- For one project we are using more than two applivations.

5. APPLICATIONS:

- Airplane crash met in hill station.
- Raining Area
- At the same time two planes are crossing area
- A foggy place

6. CONCLUSIONS:

An accident in which an aircraft hits land or water and is damaged or destroyed. Aviation accidents can be traced to a variety of causes, including pilot error, air traffic controller error, design and manufacturer defects, maintenance failures, sabotage, or inclement weather. Aircraft noise pollution disrupts sleep, children's education and could increase cardiovascular risk. Airports can generate water pollution due to their extensive handling of jet fuel and deicing chemicals if not contained, contaminating nearby water bodies. This project is useful to find out the weather changes , avoid the accidental zones .

7. FUTURE SCOPE:

- First we have to form the pilots by giving the practices to overcome from the sudden accident.
- According to weather we have to move for that we should contact with weather reporter.
- Give the more practice to all the workers inside the plane, to resolve the repairmen themselves.

8. APPENDIX:

Source Code:

index.html