

THE TRAGEDY OF FLIGHT: A COMPREHENSIVE CRASH ANALYSIS

1. INTRODUCTION



The tragedy of a flight airplane crash is a devastating event that can have far-reaching consequences for all those involved. This analysis involves examining all aspects of the crash, including the mechanical and technical factors, human error, and the emotional and psychological impact on passengers, crew, and their families. By using tools such as

empathy mapping and other analytical techniques, we can gain a deeper understanding of the causes and effects of the tragedy, and develop effective strategies for preventing future incidents and providing support for those affected. In this **comprehensive crash analysis**, we will explore all aspects of the tragedy of flight airplane crash, with the goal of improving safety and reducing the risk of future incidents.

PROBLEM DEFINITION & DESIGN THINKING

EMPATHY MAPPING



1

Define your problem statement

What problem are you trying to solve? Frame your problem as a How Might We statement. This will be the focus of your brainstorm.

⌚ 5 minutes

2

Brainstorm

Write down any ideas that come to mind that address your problem statement.

⌚ 10 minutes

PROBLEM

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

M.Bhuvanamathi	K.Anitha	D.Punitha	R.Sowmya
<p>There are rather long lists of hazardous materials that are not allowed, but common sense should tell you that you shouldn't bring gasoline, corrosives, poisonous gases, and other such items on the aircraft unless they were allowed by the airline and shipped in a proper container.</p>	<p>Most accidents occur during the takeoff, climb, descent, and landing phase of flight so flying nonstop would reduce exposure to these most accident-prone phases of flight</p>	<p>There are rather long lists of hazardous materials that are not allowed, but common sense should tell you that you shouldn't bring gasoline, corrosives, poisonous gases, and other such items on the aircraft unless they were allowed by the airline and shipped in a proper container</p>	<p>Overhead storage bins may not be able to hold very heavy objects during turbulence, so if you or another passenger have trouble lifting an article into the bin, have it stored elsewhere.</p>
<p>A thorough analysis of the events leading up to the crash, including any mechanical failures or human errors that may have contributed to the incident.</p>	<p>ICAO Annex 13—Aircraft Accident and Incident Investigation—defines which States may participate in an investigation, for example: the States of Occurrence, Registry, Operator, Design and Manufacture.</p>	<p>Currently, aircraft with more than 30 passenger seats were all designed and certified under the strictest regulations. Also, in the unlikely event of a serious accident, larger aircraft provide a better opportunity for passenger survival</p>	<p>In the aviation industry, human error is the major cause of accidents. About 38% of 323 major airline crashes, 74% of 1627 commuter/air taxi crashes, and 85% of 27938 general aviation crashes were related to pilot error.</p>
<p>For the Convention on International Civil Aviation, if an aircraft of a contracting State has an accident or incident in another contracting State, that State where the accident occurs will institute an inquiry. The Convention defines the rights and responsibilities of the states.</p>	<p>Although the information seems repetitious, the locations of the closest emergency exits may be different depending on the aircraft that you fly on and seat you are in.</p>	<p>The study addresses the challenges of conducting a comprehensive crash analysis, such as the lack of a standardized approach and limited access to data, by developing a systematic methodology and leveraging advanced technologies.</p>	<p>The unlikely event of a serious accident, larger aircraft provide a better opportunity for passenger survival.</p>
<p>Airline 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.</p>			

1

Stay in topic.

Defuse judgment.

Go for volume.

2

Encourage wild ideas.

Listen to others.

If possible, be visual.

Key rules of brainstorming

To run a smooth and productive session

TIP You can select a sticky note and tell the panel (switch to sketch) icon to start drawing!

Aviation accident investigation

- 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. Many models have been used not only for the accident investigation but also for educational purposes.
- For the Convention on International Civil Aviation, if an aircraft of a contracting State has an accident or incident in another contracting State, the State where the accident occurs will institute an inquiry. The Convention defines the rights and responsibilities of the states. ICAO Annex 13—Aircraft Accident and Incident Investigation—defines which States may participate in an investigation, for example: the States of Occurrence, Registry, Operator, Design and Manufacture.
- In the aviation industry, human error is the major cause of accidents. About 38% of 329 major airline crashes, 74% of 1627 commuter/air taxi crashes, and 85% of 27935 general aviation crashes were related to pilot error.[3] The Swiss cheese model is an accident causation model which analyzes the accident more from the human factor aspect.
- TP**
Add customizable tags to sticky notes to make it easier to find, browse, organize, and categorize important data as theories within your mind.
- portance**
- TP**
Participants can use their cursors to point at where sticky notes should go on the grid. The facilitator can confirm the spot by using the laser pointer holding the **H** key on the keyboard.
- Although the information about regulations, the location of the airport, the weather, and the different departments on the aircraft that are by an only seat you are in.
- Most accidents occur during the takeoff, climb, descent, and landing phase of flight so flying tomorrow would reduce exposure to these most accident-prone phases of flight.
- Even on other days of the week, there are about 100,000 flights per week. The FAA estimates that there are 100,000 flights per week. The FAA estimates that there are 100,000 flights per week.
- Currently, aircraft with more than 10 passenger seats are designed and certified under the strictest regulations. Also, in the unlikely event of a serious accident, larger aircraft provide a better opportunity for passenger survival.
- EAD Annex 13, about investigation, defines the roles and responsibilities of the states. ICAO Annex 13—Aircraft Accident and Incident Investigation—defines which States may participate in an investigation, for example: the States of Occurrence, Registry, Operator, Design and Manufacture.
- Overhead storage bins that are not used for any other purpose are not used for any other purpose. The FAA estimates that there are 100,000 flights per week. The FAA estimates that there are 100,000 flights per week.
- Currently, aircraft with more than 10 passenger seats are designed and certified under the strictest regulations. Also, in the unlikely event of a serious accident, larger aircraft provide a better opportunity for passenger survival.
- To fix accident inquiry, the FAA estimates that there are 100,000 flights per week. The FAA estimates that there are 100,000 flights per week.

DATA COLLECTION & EXTRACTION FROM DATABASE

➤ Collect the dataset

❖ Understand the data

airplane_crash - Microsoft Excel

Home Insert Page Layout Formulas Data Review View

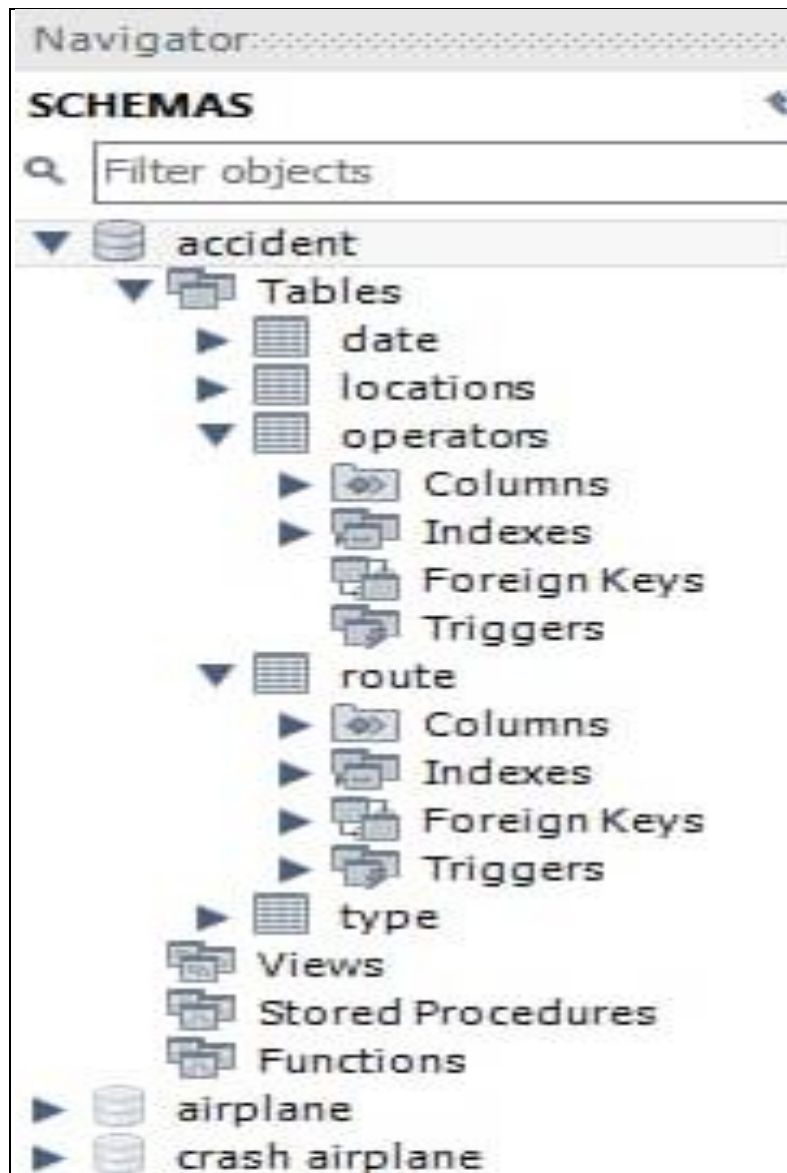
Cut Copy Paste Format Painter Clipboard Font Alignment Number Conditional Formatting Styles Cell Styles Insert Delete Format Cells Editing

V16 fx

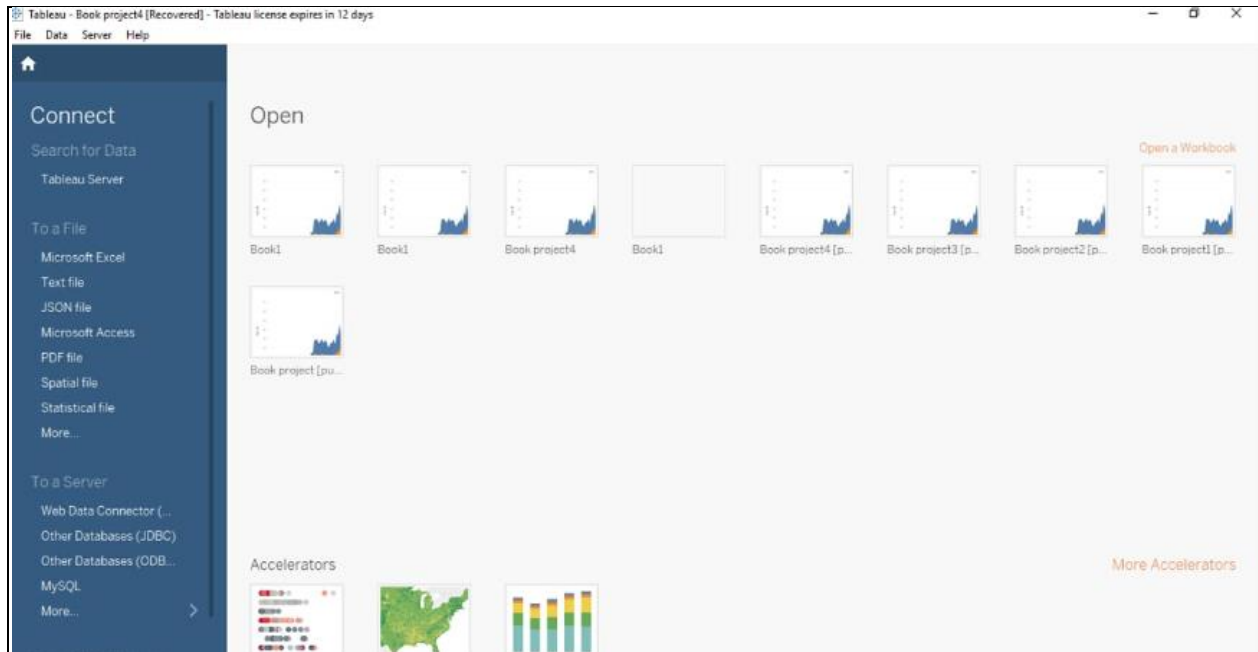
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
1	Date	Location	Operator	Route	Type	Aboard	Fatalities	Ground													
2	9/17/1908	Fort Myer	Military - I	Demonstr	Wright Fly	2	1	0													
3	7/12/1912	AtlantiCib	Military - I	Test flight	Dirigible	5	5	0													
4	8/6/1913	Victoria, B	Private		Curtiss se	1	1	0													
5	9/9/1913	Over the I	Military - German	N	Zeppelin I	20	14	0													
6	10/17/191	Near Joha	Military - German	N	Zeppelin I	30	30	0													
7	3/5/1915	Tienen, B	Military - German	N	Zeppelin I	41	21	0													
8	9/3/1915	Off Cuxha	Military - German	N	Zeppelin I	19	19	0													
9	7/28/1916	Near Jamt	Military - German	Ar	Schutte-L	20	20	0													
10	9/24/1916	Billericay,	Military - German	N	Zeppelin I	22	22	0													
11	10/1/1916	Potters Ba	Military - German	N	Zeppelin I	19	19	0													
12	11/21/191	Mainz, Ge	Military - German	Ar	Super Zep	28	27	0													
13	11/28/191	Off West I	Military - German	N	Zeppelin I	20	20	0													
14	3/4/1917	Near Gent	Military - German	Ar	Airship	20	20	0													
15	3/30/1917	Off North	Military - German	N	Schutte-L	23	23	0													
16	5/14/1917	Near Texe	Military - German	N	Zeppelin I	21	21	0													
17	6/14/1917	Off Vlielal	Military - German	N	Zeppelin I	24	24	0													
18	8/21/1917	Off weste	Military - German	N	Zeppelin I	18	18	0													
19	10/20/191	Near Lune	Military - German	N	Zeppelin I	18	18	0													
20	4/7/1918	Over the I	Military - German	N	Zeppelin I	23	23	0													
21	5/10/1918	Off Helgol	Military - German	N	Zeppelin I	22	22	0													
22	8/11/1918	Ameland I	Military - German	N	Zeppelin I	19	19	0													
23	12/16/191	Elizabeth,	US Aerial Mail Servic	De	Havilla	1	1	0													
24	5/25/1919	Cleveland	US Aerial Mail Servic	De	Havilla	1	1	0													
25	7/19/1919	Dix Run,	P US Aerial Mail Servic	De	Havilla	1	1	0													

airplane_crash

➤ Storing Data in DB & Perform SQL Operations

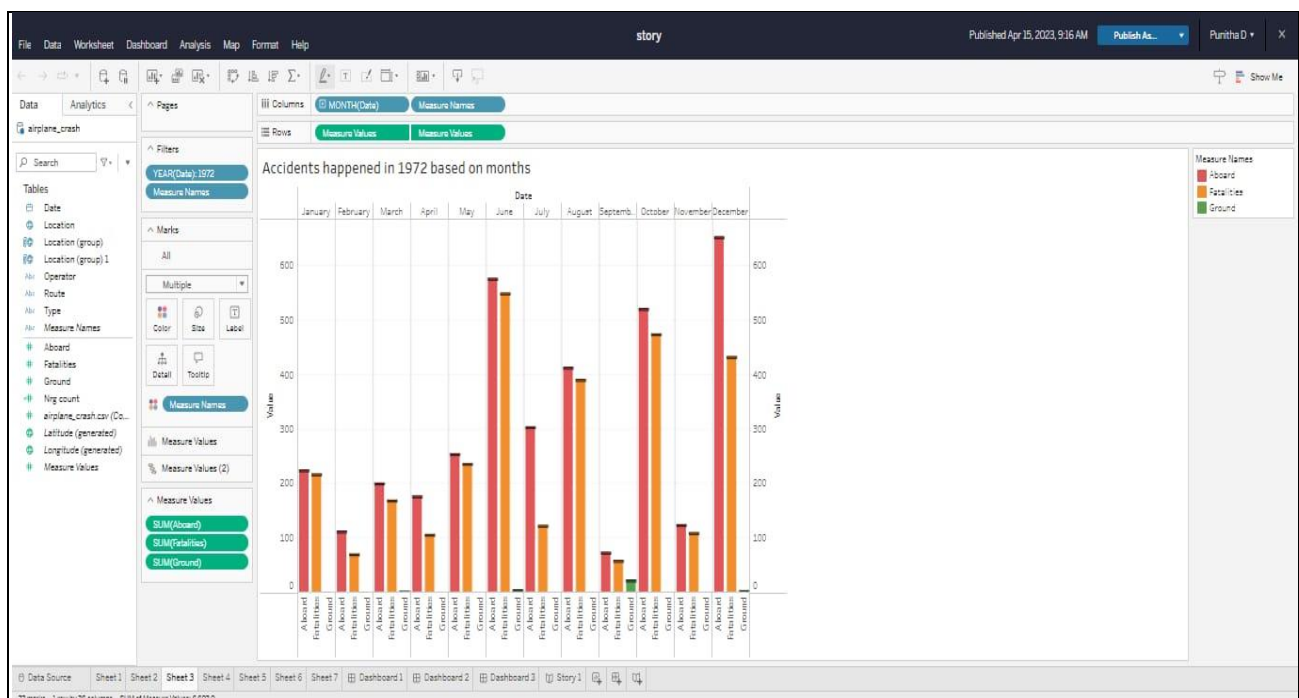


Connect DB with Tableau

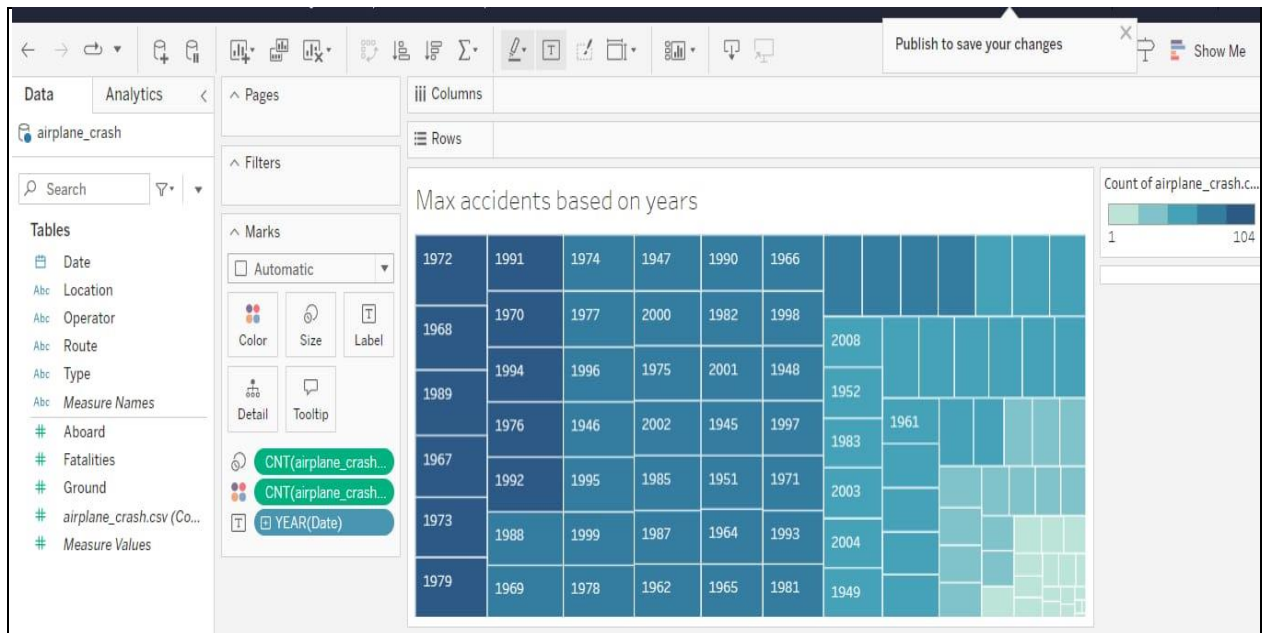


DATA VISUALIZATIONS

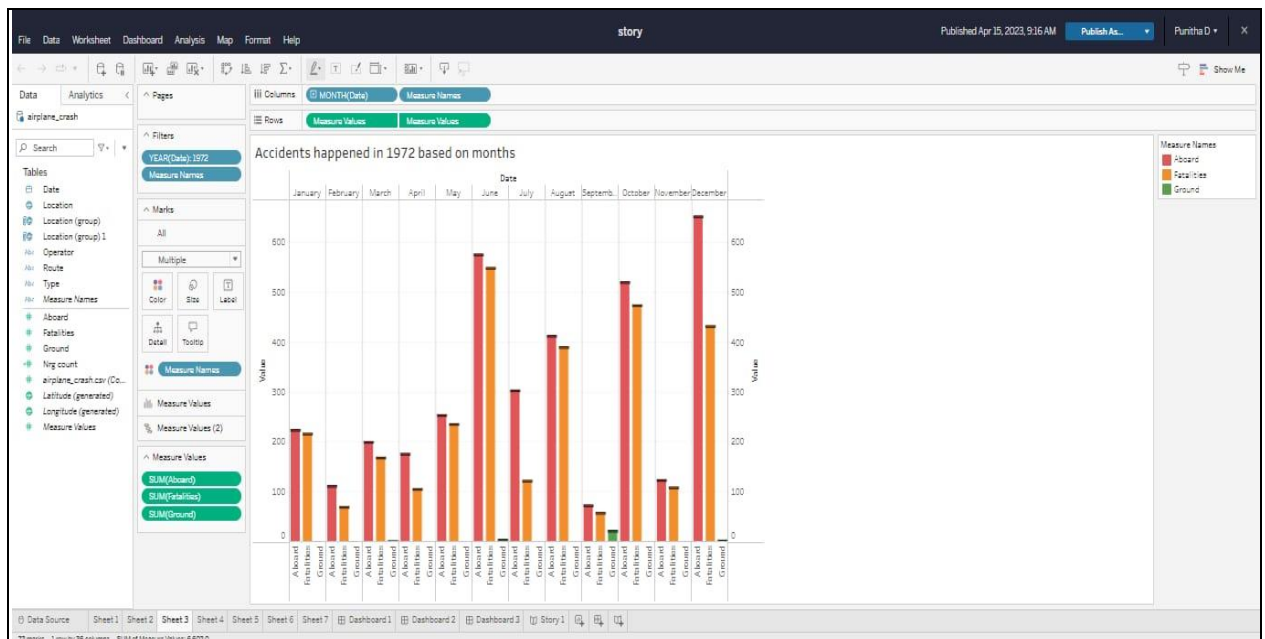
➤ Comparing Aboard vs Fatalities vs Ground



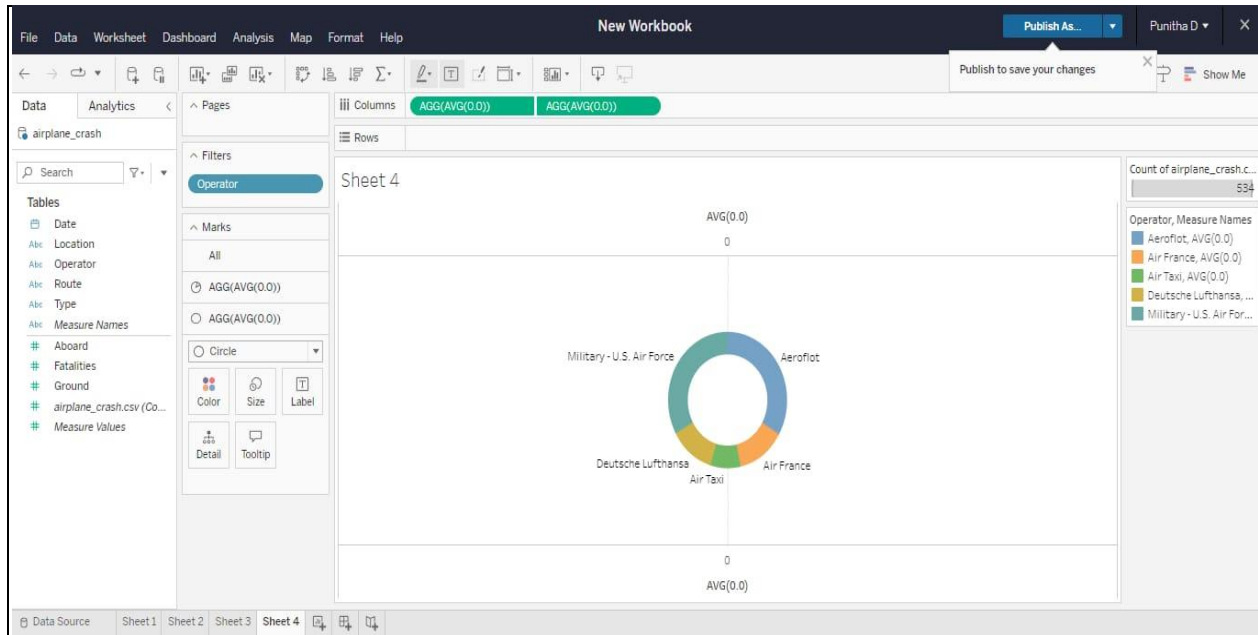
➤ Max accidents based on years



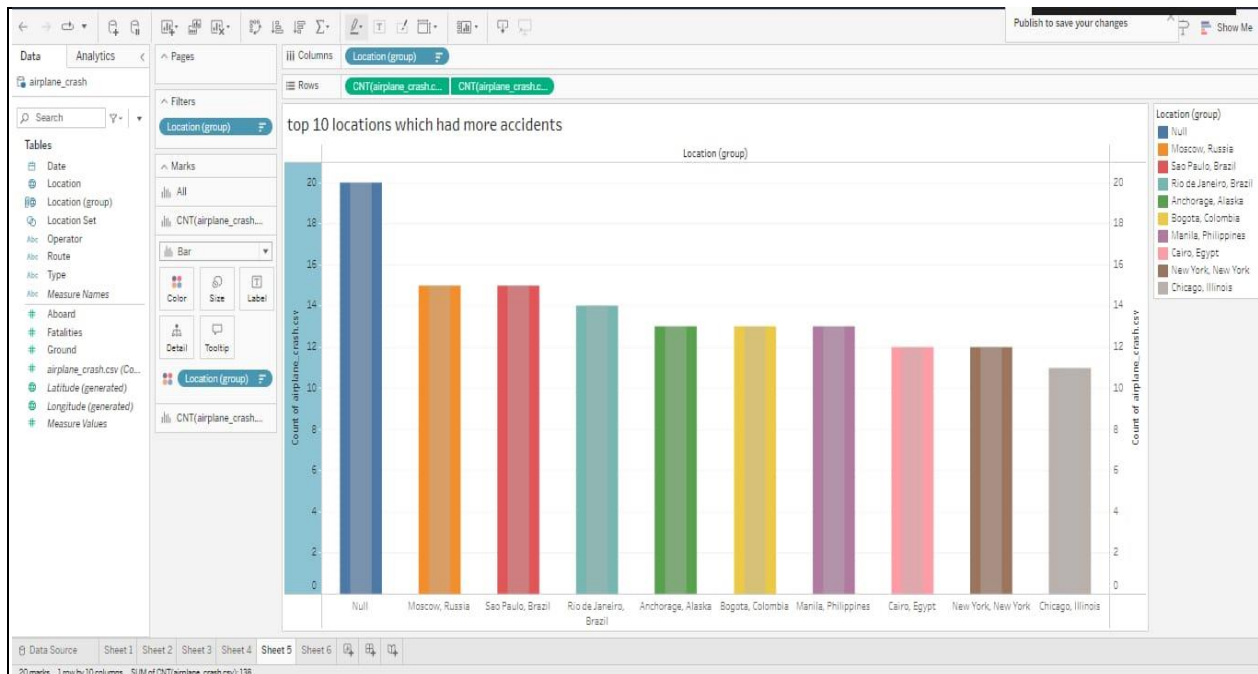
➤ Accidents happened in 1972 (MAX ACCIDENTS) based on Months



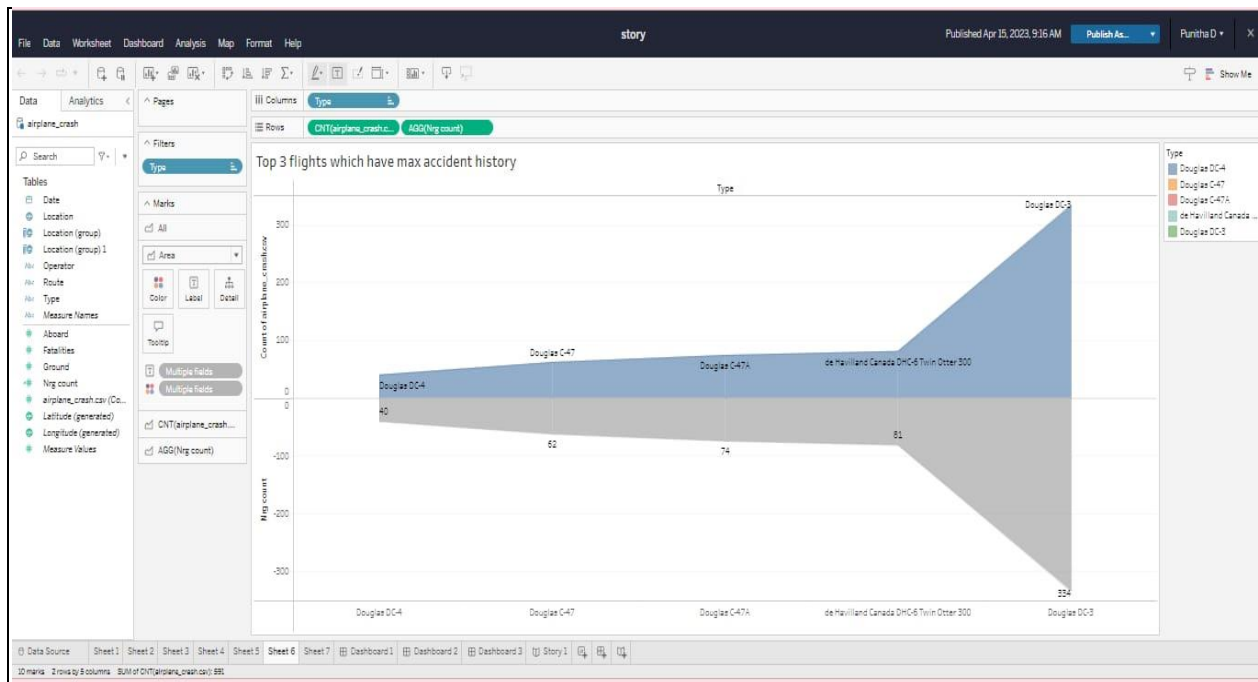
➤ Highest No. of accident happened by Operators:



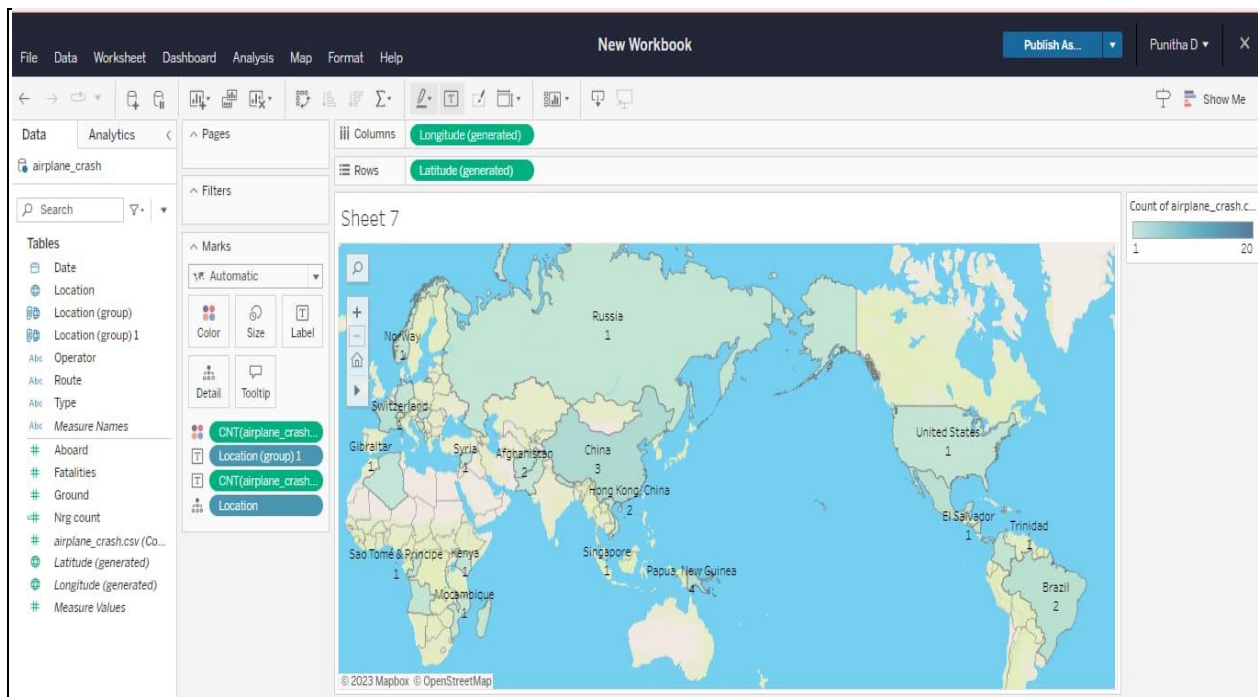
➤ Top 10 locations which had more accidents



➤ Top 3 flights which have max accident history

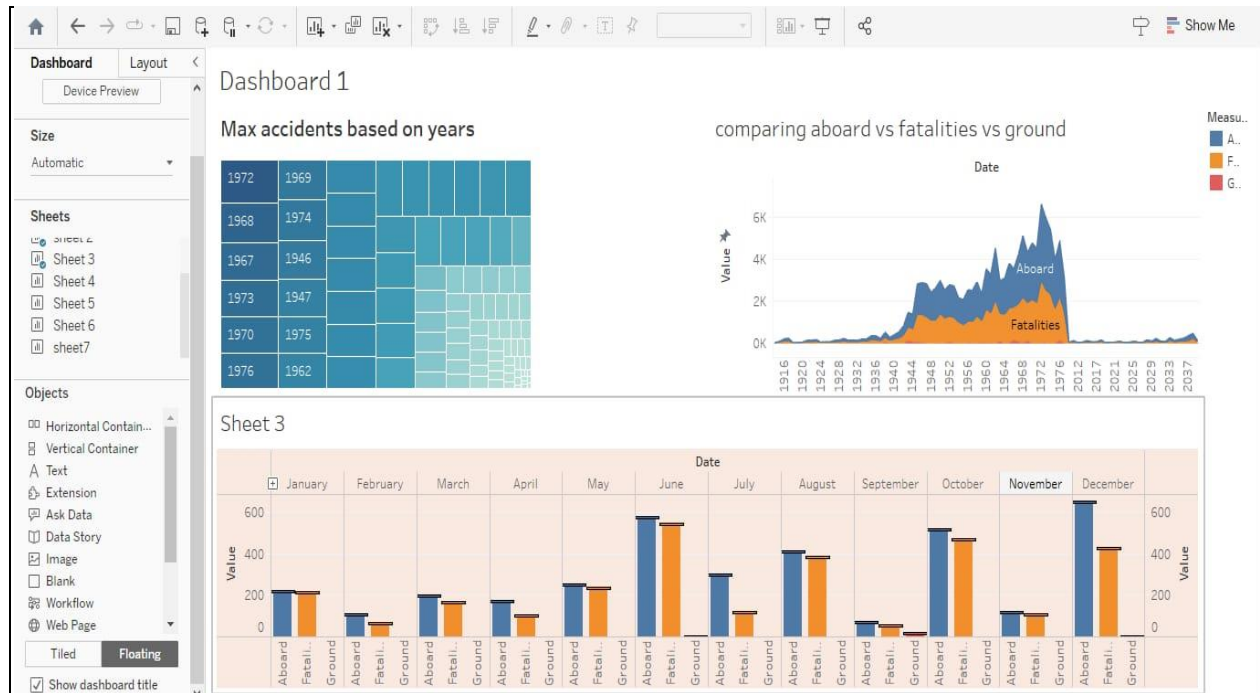


➤ Accidents based on regions

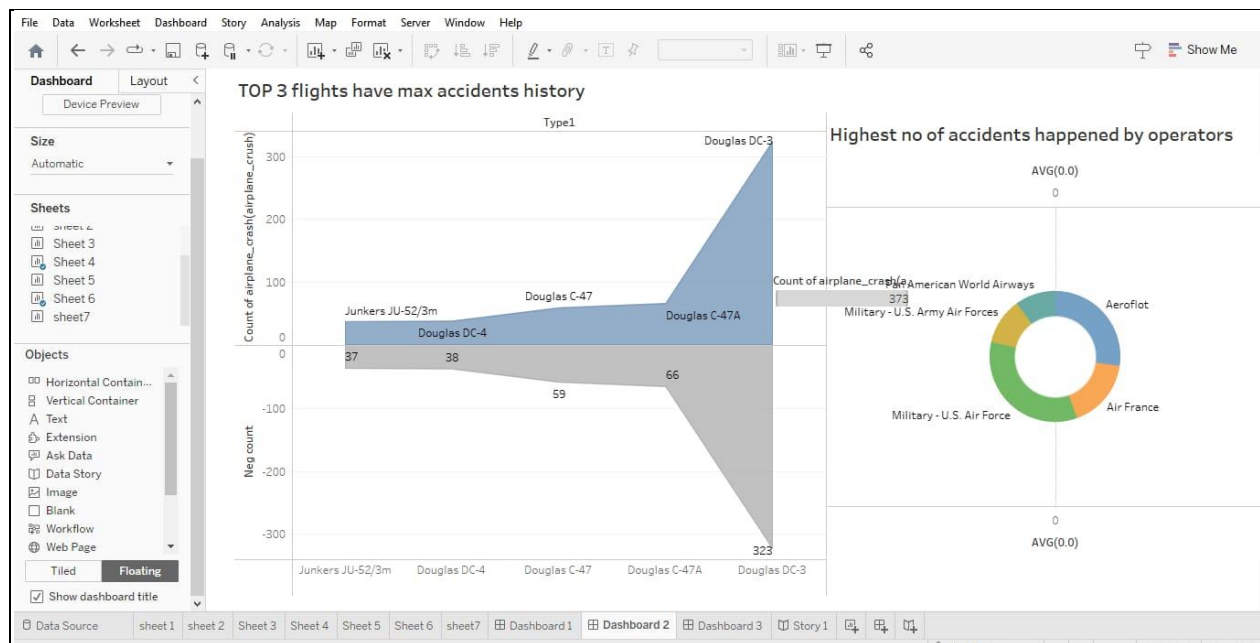


DASHBOARD

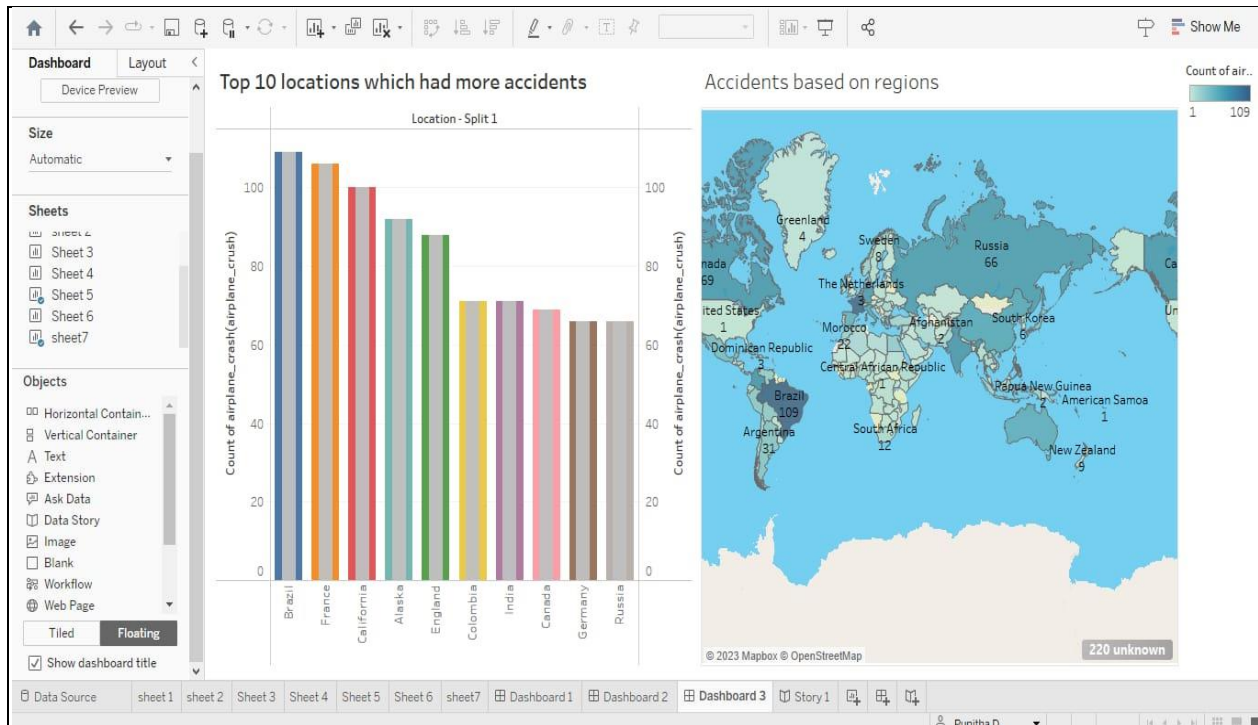
❖ Responsive and Design of Dashboard-1



❖ Dashboard-2

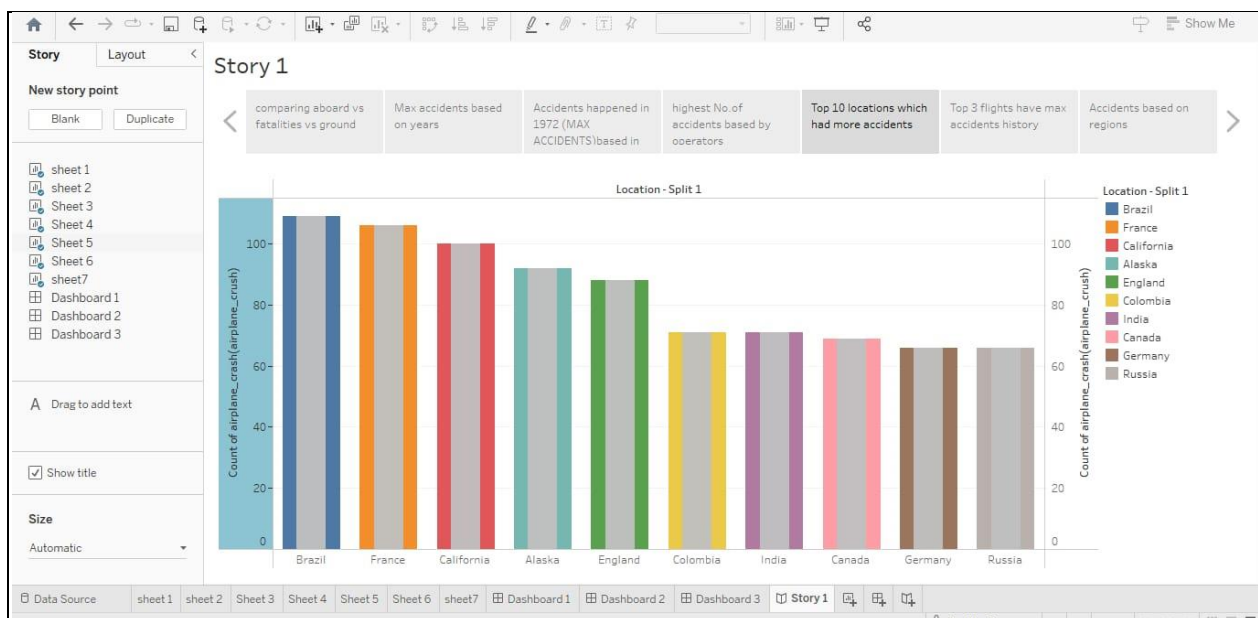


❖ Dashboard-3



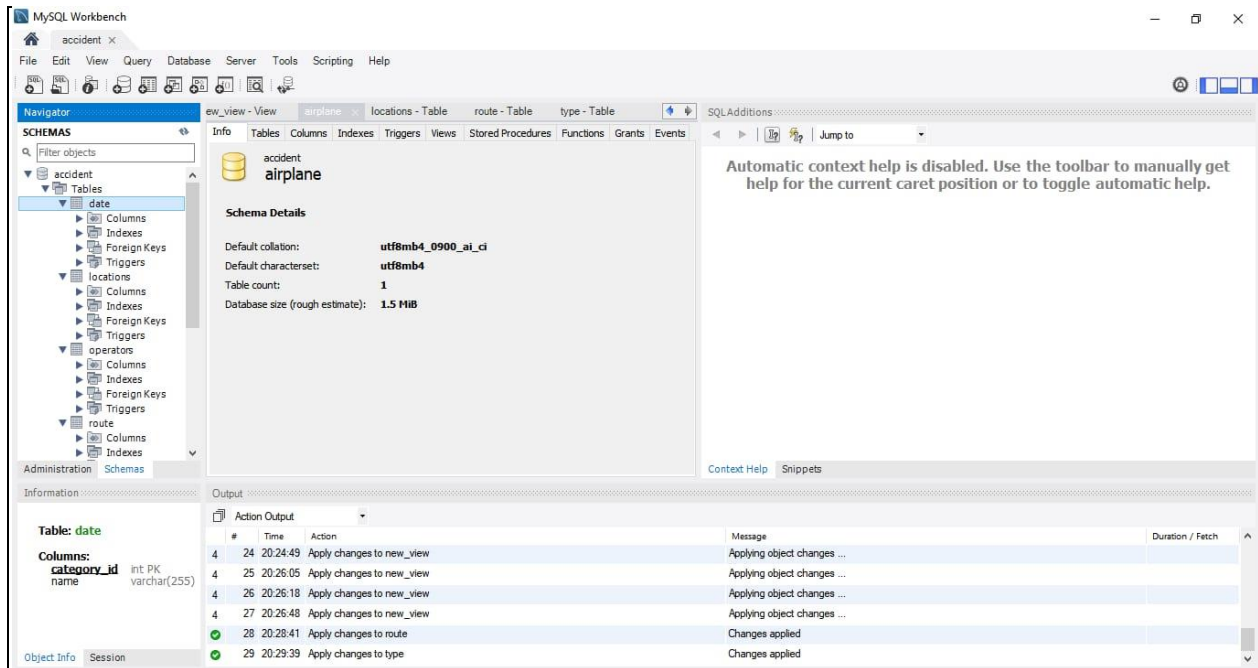
STORY

❖ No of Scenes of Story-(Story-1)



PERFORMANCE TESTING

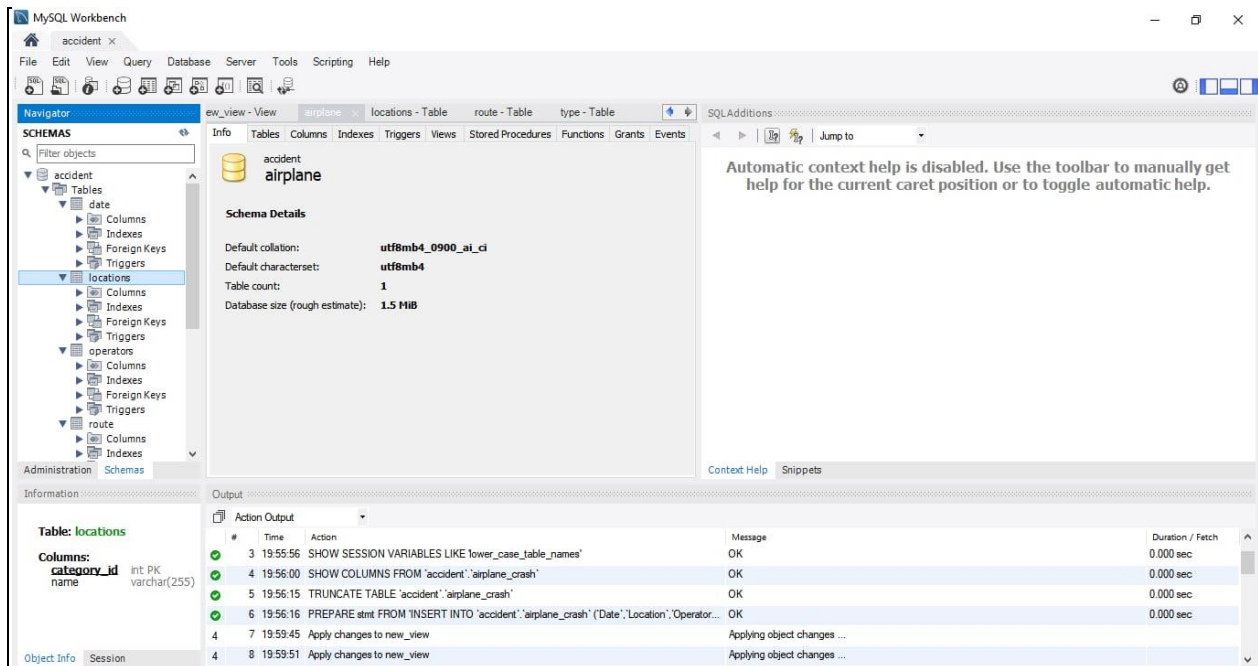
Amount of Data Rendered to DB



MySQL Workbench interface showing the 'date' table selected in the Navigator. The Output window displays a series of actions performed on the 'new_view' view, including applying changes to the view and the underlying table.

#	Time	Action	Message	Duration / Fetch
4	24 20:24:49	Apply changes to new_view	Applying object changes ...	
4	25 20:26:05	Apply changes to new_view	Applying object changes ...	
4	26 20:26:18	Apply changes to new_view	Applying object changes ...	
4	27 20:26:48	Apply changes to new_view	Applying object changes ...	
28	20:28:41	Apply changes to route	Changes applied	
29	20:29:39	Apply changes to type	Changes applied	

Locations



MySQL Workbench interface showing the 'locations' table selected in the Navigator. The Output window displays a series of actions performed on the 'airplane_crash' table, including showing session variables, showing columns, truncating the table, and preparing a statement.

#	Time	Action	Message	Duration / Fetch
3	19:55:56	SHOW SESSION VARIABLES LIKE 'lower_case_table_names'	OK	0.000 sec
4	19:56:00	SHOW COLUMNS FROM 'accident'.'airplane_crash'	OK	0.000 sec
5	19:56:15	TRUNCATE TABLE 'accident'.'airplane_crash'	OK	0.000 sec
6	19:56:16	PREPARE stmt FROM 'INSERT INTO 'accident'.'airplane_crash' ('Date','Location','Operator...	OK	0.000 sec
7	19:59:45	Apply changes to new_view	Applying object changes ...	
8	19:59:51	Apply changes to new_view	Applying object changes ...	

Operators

The screenshot shows the MySQL Workbench interface with the 'airplane' schema selected. The 'operators' table is highlighted in the Navigator pane. The Schema Details pane shows the default collation as 'utf8mb4_0900_ai_ci', the default character set as 'utf8mb4', and the database size as 1.5 MiB. The Output pane displays the results of a series of SQL commands, including 'SHOW DATABASES', 'SHOW SESSION VARIABLES LIKE lower_case_table_names', 'SHOW COLUMNS FROM `airplane`.`airplane_crash`', 'TRUNCATE TABLE `airplane`.`airplane_crash`', and 'PREPARE stmt FROM `INSERT INTO `airplane`.`airplane_crash` (`Date`,`Location`,`Operator`...'. The table 'operators' is shown with columns 'category_id' (int PK) and 'name' (varchar(255)).

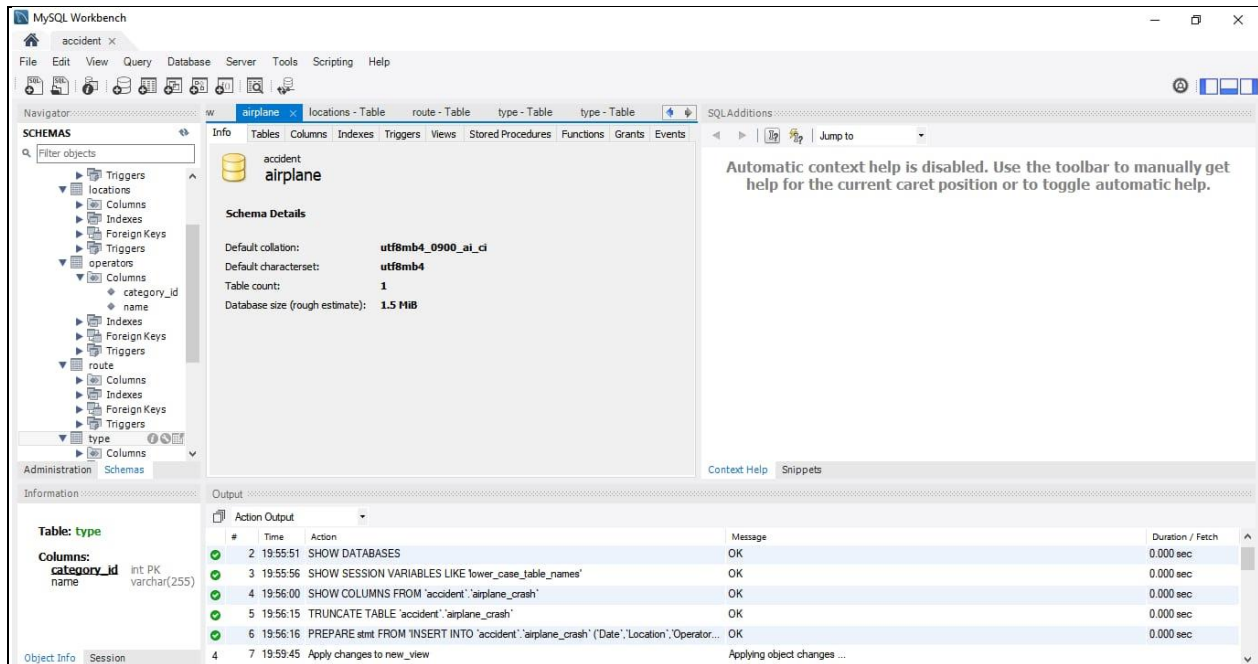
#	Time	Action	Message	Duration / Fetch
2	19:55:51	SHOW DATABASES	OK	0.000 sec
3	19:55:56	SHOW SESSION VARIABLES LIKE lower_case_table_names	OK	0.000 sec
4	19:56:00	SHOW COLUMNS FROM `airplane`.`airplane_crash`	OK	0.000 sec
5	19:56:15	TRUNCATE TABLE `airplane`.`airplane_crash`	OK	0.000 sec
6	19:56:16	PREPARE stmt FROM `INSERT INTO `airplane`.`airplane_crash` (`Date`,`Location`,`Operator`...	OK	0.000 sec
7	19:59:45	Apply changes to new_view	Applying object changes ...	

Route

The screenshot shows the MySQL Workbench interface with the 'airplane' schema selected. The 'route' table is highlighted in the Navigator pane. The Schema Details pane shows the default collation as 'utf8mb4_0900_ai_ci', the default character set as 'utf8mb4', and the database size as 1.5 MiB. The Output pane displays the results of a series of SQL commands, including 'SHOW DATABASES', 'SHOW SESSION VARIABLES LIKE lower_case_table_names', 'SHOW COLUMNS FROM `airplane`.`airplane_crash`', 'TRUNCATE TABLE `airplane`.`airplane_crash`', and 'PREPARE stmt FROM `INSERT INTO `airplane`.`airplane_crash` (`Date`,`Location`,`Operator`...'. The table 'route' is shown with columns 'category_id' (int PK) and 'name' (varchar(255)).

#	Time	Action	Message	Duration / Fetch
2	19:55:51	SHOW DATABASES	OK	0.000 sec
3	19:55:56	SHOW SESSION VARIABLES LIKE lower_case_table_names	OK	0.000 sec
4	19:56:00	SHOW COLUMNS FROM `airplane`.`airplane_crash`	OK	0.000 sec
5	19:56:15	TRUNCATE TABLE `airplane`.`airplane_crash`	OK	0.000 sec
6	19:56:16	PREPARE stmt FROM `INSERT INTO `airplane`.`airplane_crash` (`Date`,`Location`,`Operator`...	OK	0.000 sec
7	19:59:45	Apply changes to new_view	Applying object changes ...	












Airplane



Utilization of Data Filters



No of Calculation Fields

Tables	
	Date
	Location
	Location - Split 1
Abc	operator
Abc	Route
Abc	Type1
Abc	<i>Measure Names</i>
<hr/>	
	Aboard
	Fatalities
	Ground
	Neg count
	<i>airplane_crash(airplane_c...</i>
	<i>Latitude (generated)</i>
	<i>Longitude (generated)</i>
	<i>Measure Values</i>

No of Visualizations/Graphs

1. Comparing Aboard vs Fatalities vs Ground
2. Max accidents based on years
3. Accidents happened in 1972 (MAX ACCIDENTS) based on months
4. Highest No. of accident happened by Operators
5. Top 10 locations which had more accidents
6. Top 3 flights which have max accident history
7. Accidents based on regions

WEB INTEGRATION

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Airplane Crash analysis

Airplane Crashes and Fatalities Since 1908

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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,

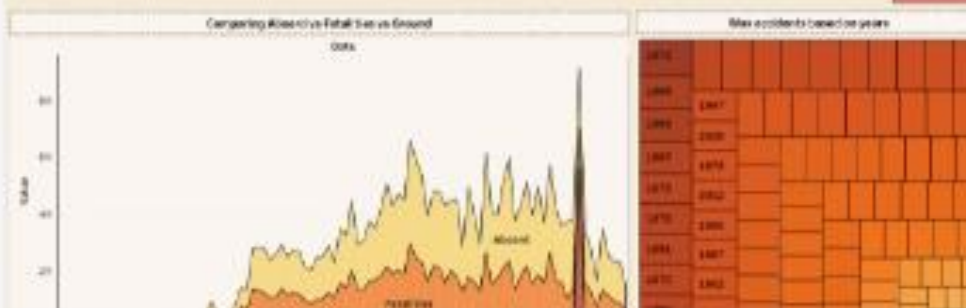
This dataset includes:

- ✓ 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

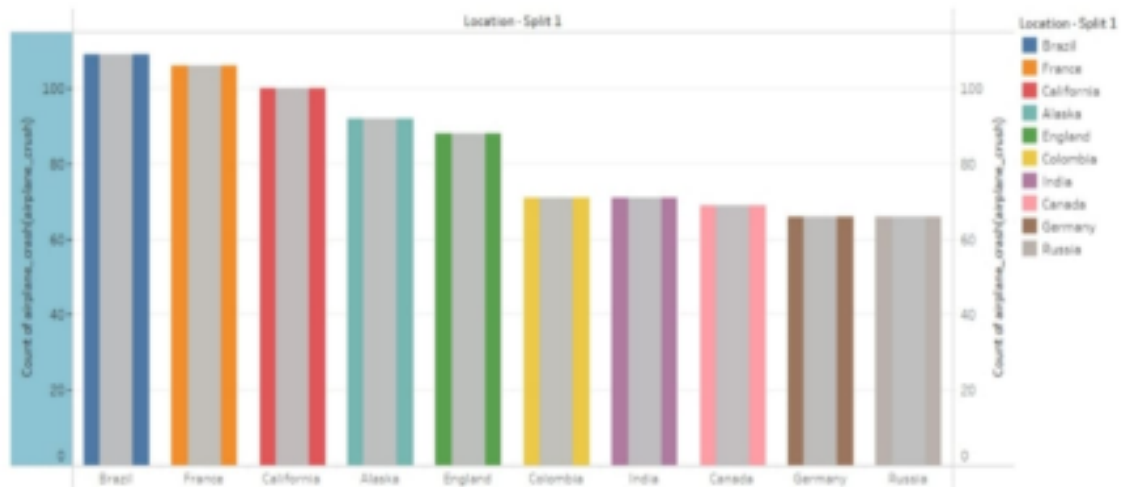
Airplane Crash Analysis

[Next](#)

STORY

Story 1

- < comparing aboard vs fatalities vs ground
- Max accidents based on years
- Accidents happened in 1972 (MAX ACCIDENTS) based in
- highest No. of accidents based by operators
- Top 10 locations which had more accidents**
- Top 3 Rights have max accidents history
- Accidents based on regions
- >



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Useful Links

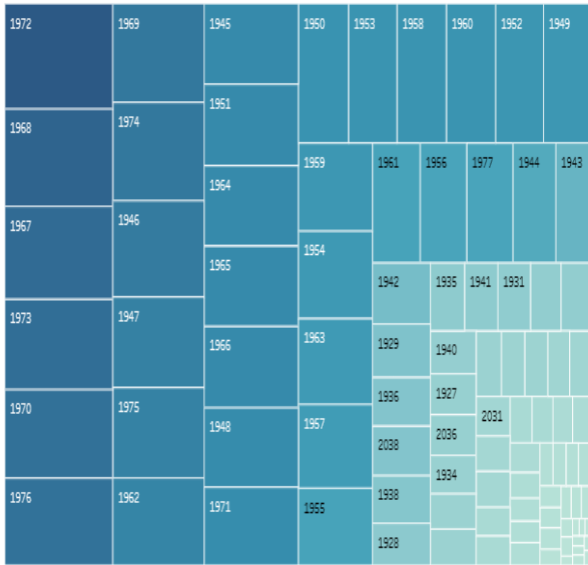
- > Home
- > About
- > Charts
- > Dashboard
- > Story

Our Social Networks

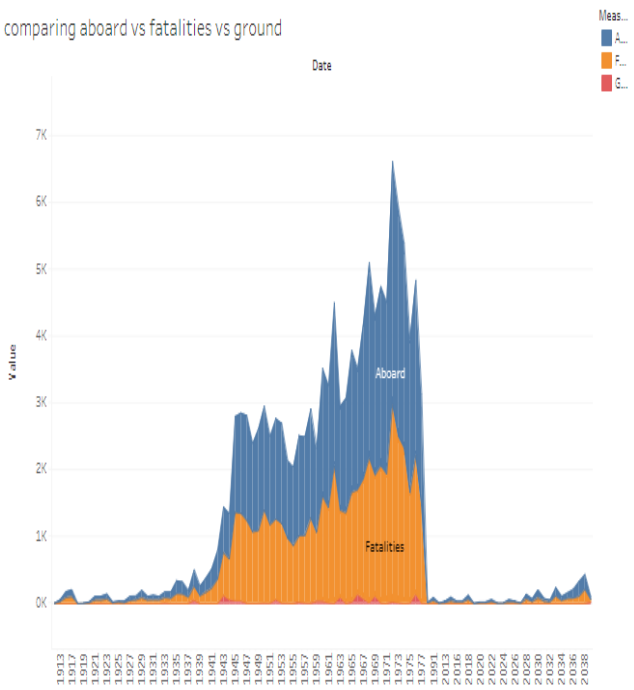


Dashboard 1

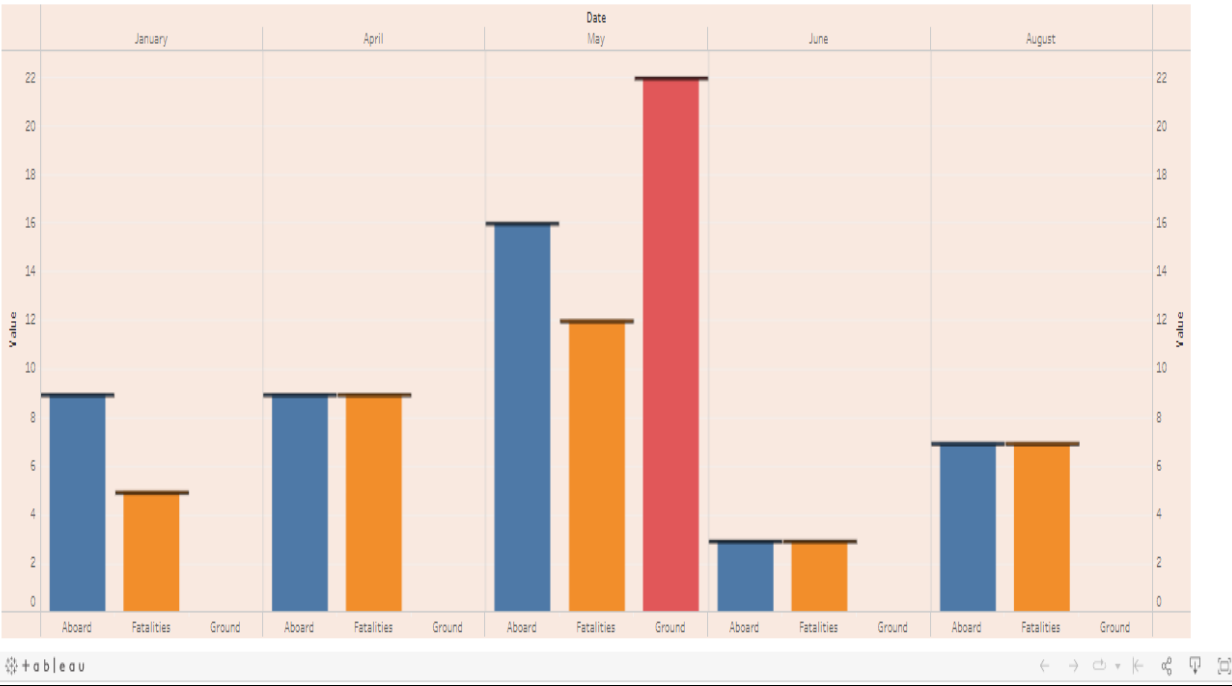
Max accidents based on years



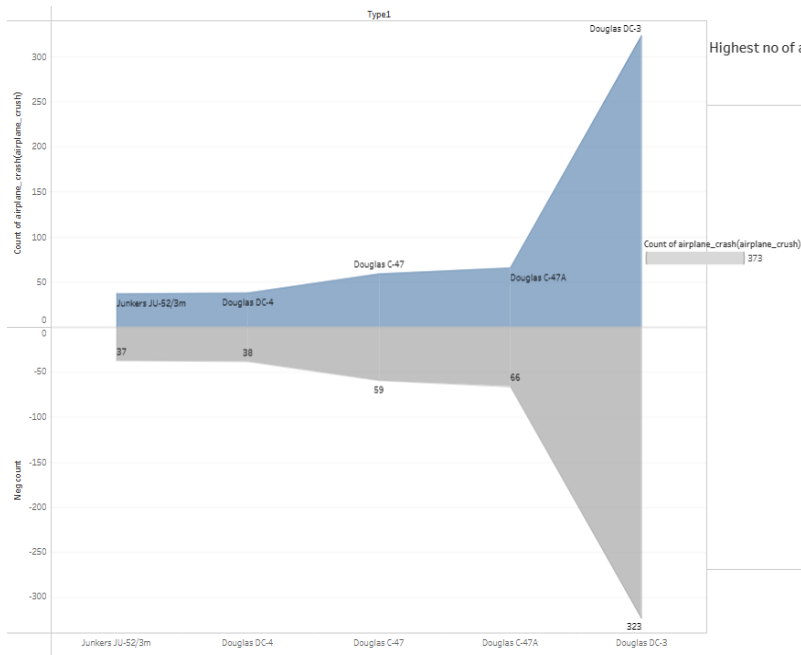
comparing aboard vs fatalities vs ground



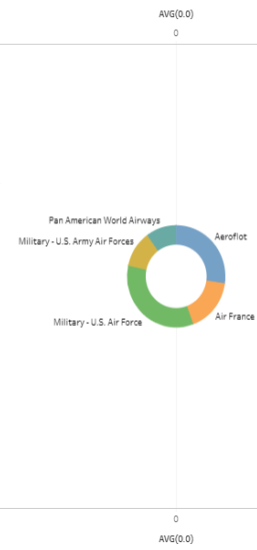
Sheet 3



TOP 3 flights have max accidents history



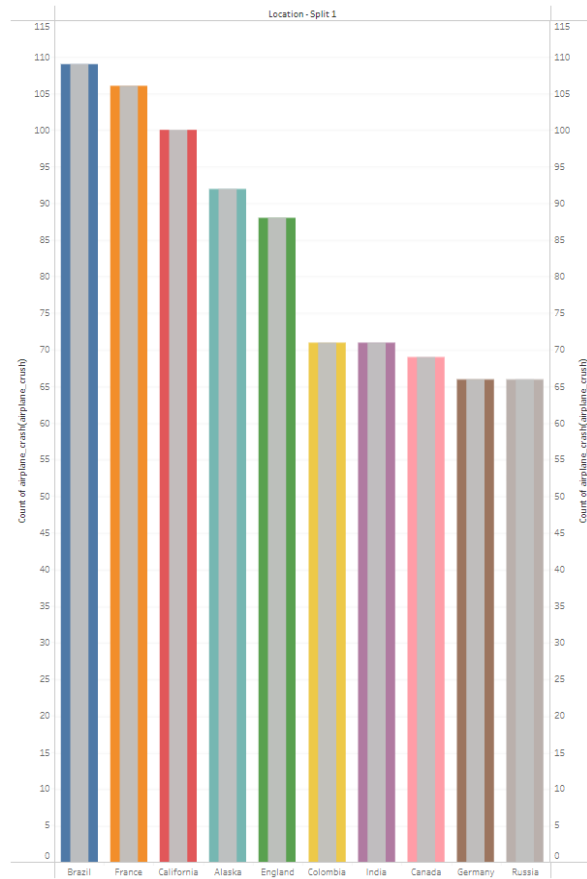
Highest no of accidents happened by operators



+ a b l e a u

Dashboard 3

Top 10 locations which had more accidents



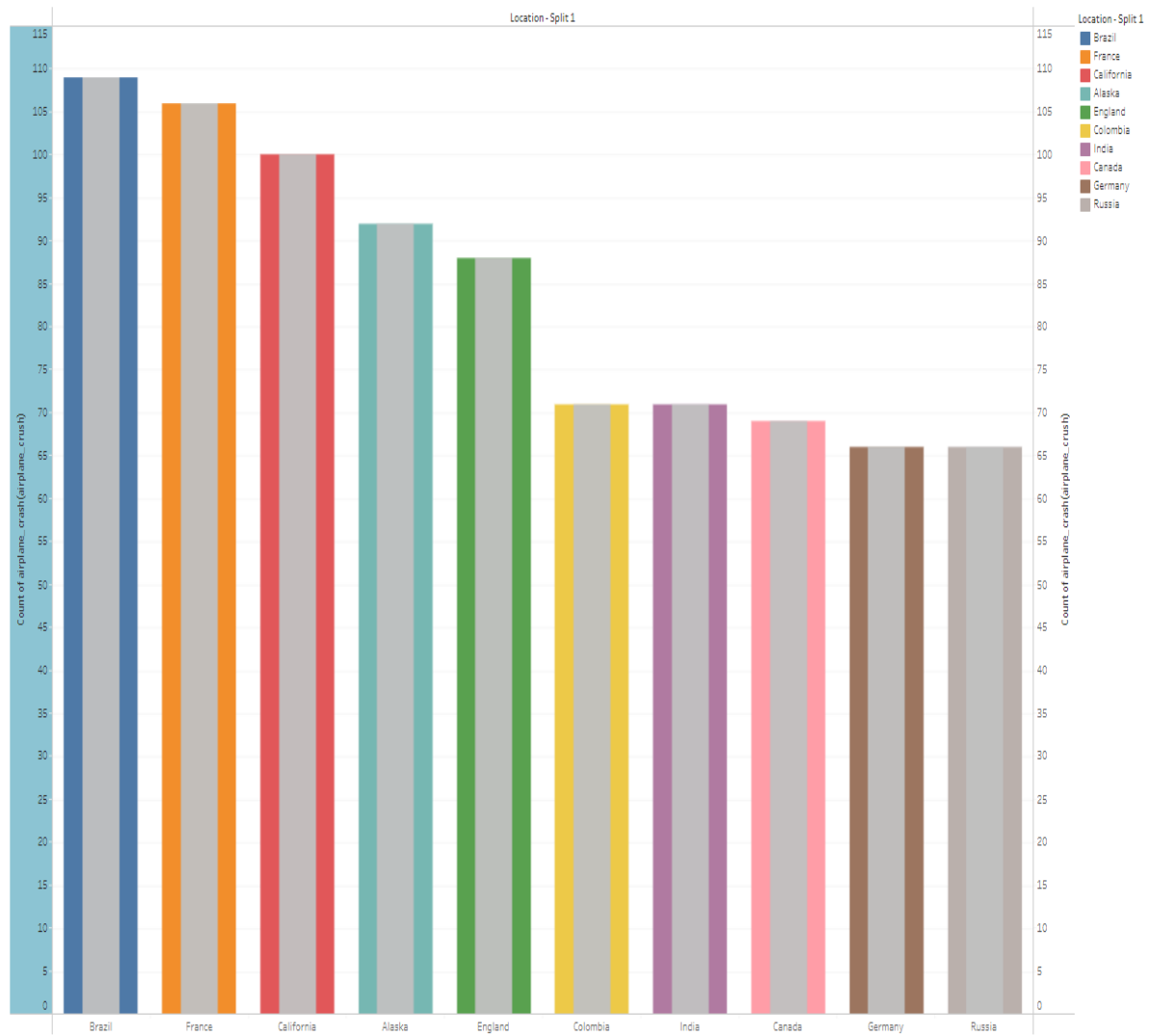
Accidents based on regions



+ a b l e a u

Story 1

- ← comparing aboard vs fatalities vs ground Max accidents based on years Accidents happened in 1972 (MAX ACCIDENTS) based in highest No of accidents based by operators **Top 10 locations which had more accidents** Top 3 flights have max accidents history Accidents based on regions →



tableau

← → ↺ ↻ 🔍 📄

Contact

If you need t contact the Tragedy of Flight, you can find their contact information on their website.

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Email Us

contact@tragedy.com

Call Us

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Subject
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4. ADVANTAGES & DISADVANTAGES

Advantages

- **Fast delivery times:** Undoubtedly, one of the most advantageous features offered by air transport is its speedy delivery times. There is no faster transport service than air transport. In addition, the frequency of flights makes delivery times very frequent and fast.
- **No Physical Limits:** Air transport is the only means of transportation that does not support physical limits. Road transport, for example, must undergo different physical constraints that slow down delivery times. It is one of the means of transportation that offers practically no interruption in its services, which is very attractive for companies.
- **Very reliable transportation:** One of the great advantages of air transport for both passengers and goods is its great reliability. Delays in delivery dates or loss of goods are options that can be very difficult to achieve with this means of transport.
- **Long Distances:** No other means of transport in the logistics sector can cover such long distances as air

transport. This is a great advantage for international trade, being able to cover long distances, impossible for road or sea transport.

Disadvantages

- **Less storage capacity:** Storage capacity is lower than land and sea transport. This is a clear disadvantage, air transport is ideal for medium or low loads, but is not so attractive for large volumes of goods.
- **Restrictions on good:** Air transport, due to its specific characteristics, cannot carry certain products or goods. It suffers from certain restrictions, especially in liquid products such as petroleum, oils.

5. APPLICATIONS

The application of a comprehensive crash analysis for the tragedy of flight involves a structured and systematic approach to investigating the causes of the accident.

- **Collecting Data:** The first step in a crash analysis is to collect all relevant data related to the accident. This may include cockpit voice and flight data recorder information, air traffic control communications, radar data, maintenance records, and weather reports.

- **Analyzing Data:** Once the data is collected, it is analyzed to identify any patterns or trends that may have contributed to the accident. This may involve reviewing the flight path, examining the aircraft systems, and evaluating the performance of the flight crew.
- **Identifying Factors:** Based on the data analysis, investigators can identify the factors that contributed to the accident. These may include mechanical failures, human error, weather conditions, or a combination of factors.
- **Developing Recommendations:** After identifying the contributing factors, investigators can develop recommendations to prevent similar accidents in the future. This may involve changes to training programs, equipment, procedures, or regulations.
- **Reporting Findings:** Finally, the results of the crash analysis are reported to stakeholders, including regulatory agencies, the aviation industry, and the public. This report may include a detailed analysis of the accident, recommendations for improving safety, and a summary of the investigation findings.

6. CONCLUSION

A comprehensive crash analysis is a critical process for investigating aviation accidents and improving aviation safety. In the case of the tragedy of flight, a thorough investigation of the accident is necessary to identify the root cause of the crash and develop recommendations for preventing similar accidents in the future. The benefits of conducting a comprehensive crash analysis include improved aviation safety, increased knowledge, legal and financial implications, and public trust. By identifying the factors that contributed to the accident and developing recommendations to prevent similar accidents, the aviation industry can enhance safety and protect the lives of passengers and crew.

7. FUTURE SCOPE

- **Human Factors:** A more in-depth analysis of the human factors involved in the accident could provide valuable insights into the decision-making

processes of the flight crew and any cognitive biases that may have contributed to the accident.

- **Systemic Issues:** A broader examination of the systemic issues that may have contributed to the accident, such as regulatory oversight, training standards, or maintenance procedures, could provide a more comprehensive understanding of the factors that led to the crash.
- **Risk Assessment:** A thorough risk assessment of the factors that led to the accident could help identify potential hazards and areas for improvement in aviation safety.

The Tragedy of Flight: A Comprehensive crash analysis

Overall, a comprehensive crash analysis is a complex and multi-faceted process that requires careful attention to detail and a thorough understanding of aviation safety and best practices. By identifying the root causes of aviation incidents, investigators can help to prevent future tragedies.

8. APPENDIX

CODING

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
<meta charset="utf-8">
```

```
<meta content="width=device-width, initial-scale=1.0"  
name="viewport">
```

```
<title>Tragedy of Flight</title>
```

```
<meta content="" name="description">
```

```
<meta content="" name="keywords">
```

```
<!-- Favicons -->
```

```
<link href="assets/img/favicon.png" rel="icon">
```

```
<link href="assets/img/apple-touch-icon.png" rel="apple-  
touch-icon">
```

```
<!-- Google Fonts -->
```

```
<link
```

```
href="https://fonts.googleapis.com/css?family=Open+Sans:  
300,300i,400,400i,600,600i,700,700i|Raleway:300,300i,40  
0,400i,500,500i,600,600i,700,700i|Poppins:300,300i,400,4  
00i,500,500i,600,600i,700,700i" rel="stylesheet">
```



```
<!-- Vendor CSS Files -->
<link href="assets/vendor/aos/aos.css" rel="stylesheet">
<link
href="assets/vendor/bootstrap/css/bootstrap.min.css"
rel="stylesheet">
<link href="assets/vendor/bootstrap-icons/bootstrap-
icons.css" rel="stylesheet">
<link href="assets/vendor/boxicons/css/boxicons.min.css"
rel="stylesheet">
<link
href="assets/vendor/glightbox/css/glightbox.min.css"
rel="stylesheet">
<link href="assets/vendor/swiper/swiper-bundle.min.css"
rel="stylesheet">
```

```
<!-- Template Main CSS File -->
```

```
<link href="assets/css/style.css" rel="stylesheet">
```

```
<!--
```

```
=====
```

```
=====
```

- * Template Name: Tragedy of Flight
- * Updated: Mar 10 2023 with Bootstrap v5.2.3
- * Template URL: <https://bootstrapmade.com/day-multipurpose-html-template-for-free/>
- * Author: BootstrapMade.com
- * License: <https://bootstrapmade.com/license/>

=====

===== -->

</head>

<body>

<!-- ===== Top Bar ===== -->

<section id="topbar" class="d-flex align-items-center">

<div class="container d-flex justify-content-center
justify-content-md-between">

<div class="contact-info d-flex align-items-center">

<i class="bi bi-envelope-fill"></i>info@tragedy.com</
a>

<i class="bi bi-phone-fill phone-icon"></i> +91 9889
554855

</div>

<div class="social-links d-none d-md-block">

<i class="bi bi-
twitter"></i>

<i class="bi bi-
facebook"></i>

<i class="bi bi-
instagram"></i>

<i class="bi bi-
linkedin"></i></i>

```
</div>
</div>
</section>
```

```
<!-- ===== Header ===== -->
<header id="header" class="d-flex align-items-center">
  <div class="container d-flex align-items-center justify-
content-between">
```

```
    <h1 class="logo"><a href="index.html">Tragedy of
flight</a></h1>
```

```
    <!-- Uncomment below if you prefer to use an image
logo -->
```

```
    <!-- <a href="index.html" class="logo"></a>--
>
```

```
  <nav id="navbar" class="navbar">
    <ul>
      <li><a class="nav-link scrollto active"
href="#hero">Home</a></li>
      <li><a class="nav-link scrollto"
href="#about">About</a></li>
      <li><a class="nav-link scrollto" href="#dashboard
1">Dashboard 1</a></li>
      <li><a class="nav-link scrollto " href="#dashboard
2">Dashboard 2</a></li>
```

```
        <li><a class="nav-link scrollto" href="#dashboard
3">Dashboard 3</a></li>
```

```
        <li><a class="nav-link scrollto"
href="#story">Story</a></li>
```

```
        <li><a class="nav-link scrollto"
href="#contact">Contact</a></li>
```

```
    </ul>
```

```
    <i class="bi bi-list mobile-nav-toggle"></i>
```

```
</nav><!-- .navbar -->
```

```
</div>
```

```
</header><!-- End Header -->
```

```
<!-- ===== Hero Section ===== -->
```

```
<section id="hero" class="d-flex align-items-center">
```

```
    <div class="container position-relative" data-aos="fade-
up" data-aos-delay="500">
```

```
        <h1>Welcome to Tragedy of Flight</h1>
```

```
        <h2>The tragedy of a flight refers to any accident or
incident involving an aircraft that results in the loss of life
or serious injury to passengers, crew, or people on the
ground.</h2>
```

```
        <a href="#about" class="btn-get-started scrollto">Get
Started</a>
```

```
    </div>
```

```
</section><!-- End Hero -->
```

```
<main id="main">
```

```
<!-- ===== About Section ===== -->
```

```
<section id="about" class="about">
```

```
<div class="container">
```

```
<div class="row">
```

```
<div class="col-lg-6 order-1 order-lg-2" data-  
aos="fade-left">
```

```

```

```
</div>
```

```
<div class="col-lg-6 pt-4 pt-lg-0 order-2 order-lg-1  
content" data-aos="fade-right">
```

```
<h3>The Tragedy of Flight: A Comprehensive  
crash analysis</h3>
```

```
<u>
```

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

```
</u>
```

- a person is
fatally or seriously injured*

- the aircraft
sustains significant damage or structural failure, or*

- the aircraft
goes missing or becomes completely inaccessible.*

This dataset includes:

All civil and commercial aviation accidents of
scheduled and non scheduled passenger airlines
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.

```

</div>
</section><!-- End About Section -->

<!-- ===== Dashboard Section ===== -->
<section id="dashboard" class="dashboard">
  <div class="container" data-aos="fade-up">

    <div class="section-title">

      <center><p>Dashboard 1</p></center>
<div class='tableauPlaceholder' id='viz1681709872100'
style='position: relative'><noscript><a href='#'><img
alt='Dashboard 1 '
src='https://public.tableau.com/static/
;images/Bo/Bookproject1_16816288586080/
47;Dashboard1/1_rss.png' style='border: none'
/></a></noscript><object class='tableauViz'
style='display:none;'><param name='host_url'
value='https%3A%2F%2Fpublic.tableau.com%2F' />
<param name='embed_code_version' value='3' /> <param
name='site_root' value='' /><param name='name'
value='Bookproject1_16816288586080/47;Dashboard1'
/><param name='tabs' value='no' /><param name='toolbar'
value='yes' /><param name='static_image'
value='https://public.tableau.com/static/
47;images/Bo/Bookproject1_16816288586080
/47;Dashboard1/1.png' /> <param

```



```

name='animate_transition' value='yes' /><param
name='display_static_image' value='yes' /><param
name='display_spinner' value='yes' /><param
name='display_overlay' value='yes' /><param
name='display_count' value='yes' /><param
name='language' value='en-US' /></object></div>
<script type='text/javascript'>                var divElement =
document.getElementById('viz1681709872100');
var vizElement =
divElement.getElementsByTagName('object')[0];
if ( divElement.offsetWidth > 800 ) {
vizElement.style.width='100%';vizElement.style.height=(di
vElement.offsetWidth*0.75)+'px';} else if (
divElement.offsetWidth > 500 ) {
vizElement.style.width='100%';vizElement.style.height=(di
vElement.offsetWidth*0.75)+'px';} else {
vizElement.style.width='100%';vizElement.style.height='10
27px';}                var scriptElement =
document.createElement('script');
scriptElement.src =
'https://public.tableau.com/javascripts/api/viz_v1.js';
vizElement.parentNode.insertBefore(scriptElement,
vizElement);                </script>
                <center><p>Dashboard 2</p></center>
<div class='tableauPlaceholder' id='viz1681709910877'
style='position: relative'><noscript><a href='#'><img
alt='Dashboard 2 '

```

```

src='https://public.tableau.com/static/
;images/Bo/Bookproject2_16816325430940/
47;Dashboard2/1_rss.png' style='border: none'
/></a></noscript><object class='tableauViz'
style='display:none;'><param name='host_url'
value='https%3A%2F%2Fpublic.tableau.com%2F' />
<param name='embed_code_version' value='3' /> <param
name='site_root' value='' /><param name='name'
value='Bookproject2_16816325430940/47;Dashboard2'
/><param name='tabs' value='no' /><param name='toolbar'
value='yes' /><param name='static_image'
value='https://public.tableau.com/static/
47;images/Bo/Bookproject2_16816325430940
/47;Dashboard2/1.png' /> <param
name='animate_transition' value='yes' /><param
name='display_static_image' value='yes' /><param
name='display_spinner' value='yes' /><param
name='display_overlay' value='yes' /><param
name='display_count' value='yes' /><param
name='language' value='en-US' /></object></div>
<script type='text/javascript'>                var divElement =
document.getElementById('viz1681709910877');
var vizElement =
divElement.getElementsByTagName('object')[0];
if ( divElement.offsetWidth > 800 ) {
vizElement.style.width='100%';vizElement.style.height=(di
vElement.offsetWidth*0.75)+'px';} else if (

```

```

divElement.offsetWidth > 500 ) {
vizElement.style.width='100%';vizElement.style.height=(di
vElement.offsetWidth*0.75)+'px';} else {
vizElement.style.width='100%';vizElement.style.height='72
7px';}          var scriptElement =
document.createElement('script');
scriptElement.src =
'https://public.tableau.com/javascripts/api/viz_v1.js';
vizElement.parentNode.insertBefore(scriptElement,
vizElement);          </script>
          <center><p>Dashboard 3</p></center>
<div class='tableauPlaceholder' id='viz1681709953565'
style='position: relative'><noscript><a href='#'><img
alt='Dashboard 3 '
src='https://public.tableau.com/static/
images/Bookproject3/Dashboard3/
7;1_rss.png' style='border: none' /></a></noscript><object
class='tableauViz' style='display:none;'><param
name='host_url'
value='https://public.tableau.com/' />
<param name='embed_code_version' value='3' /> <param
name='site_root' value='' /><param name='name'
value='Bookproject3/Dashboard3' /><param
name='tabs' value='no' /><param name='toolbar'
value='yes' /><param name='static_image'
value='https://public.tableau.com/static/
images/Bookproject3/Dashboard3&

```

```

#47;1.png' /> <param name='animate_transition'
value='yes' /><param name='display_static_image'
value='yes' /><param name='display_spinner' value='yes'
/><param name='display_overlay' value='yes' /><param
name='display_count' value='yes' /><param
name='language' value='en-US' /></object></div>
<script type='text/javascript'>                var divElement =
document.getElementById('viz1681709953565');
var vizElement =
divElement.getElementsByTagName('object')[0];
if ( divElement.offsetWidth > 800 ) {
vizElement.style.width='100%';vizElement.style.height=(di
vElement.offsetWidth*0.75)+'px';} else if (
divElement.offsetWidth > 500 ) {
vizElement.style.width='100%';vizElement.style.height=(di
vElement.offsetWidth*0.75)+'px';} else {
vizElement.style.width='100%';vizElement.style.height='72
7px';}                var scriptElement =
document.createElement('script');
scriptElement.src =
'https://public.tableau.com/javascripts/api/viz_v1.js';
vizElement.parentNode.insertBefore(scriptElement,
vizElement);                </script>
                <center><p>Story</p></center>
                </div>

<div class="row">

```

```

<div class='tableauPlaceholder'
id='viz1681709995299' style='position:
relative'><noscript><a href='#'><img alt='Story 1 '
src='https://public.tableau.com/static/
images/Bookproject4/Story1/1_r
ss.png' style='border: none' /></a></noscript><object
class='tableauViz' style='display:none;'><param
name='host_url'
value='https://public.tableau.com/' />
<param name='embed_code_version' value='3' /> <param
name='site_root' value='' /><param name='name'
value='Bookproject4/Story1' /><param name='tabs'
value='no' /><param name='toolbar' value='yes' /><param
name='static_image'
value='https://public.tableau.com/static/
images/Bookproject4/Story1/
1.png' /> <param name='animate_transition' value='yes'
/><param name='display_static_image' value='yes'
/><param name='display_spinner' value='yes' /><param
name='display_overlay' value='yes' /><param
name='display_count' value='yes' /><param
name='language' value='en-US' /></object></div>
<script type='text/javascript'>                var divElement =
document.getElementById('viz1681709995299');
var vizElement =
divElement.getElementsByTagName('object')[0];
vizElement.style.width='100%';vizElement.style.height=(di

```

```
vElement.offsetWidth*0.75)+'px';          var
scriptElement = document.createElement('script');
scriptElement.src =
'https://public.tableau.com/javascripts/api/viz_v1.js';
vizElement.parentNode.insertBefore(scriptElement,
vizElement);          </script>
</div>
```

```
</div>
</section><!-- End Dashboard Section -->
```

```
<!-- ===== Contact Section ===== -->
<section id="contact" class="contact">
  <div class="container">

    <div class="section-title">
      <span>Contact</span>
      <h2>Contact</h2>
      <p>If you need t contact the Tragedy of Flight, you
can find their contact information on their website.</p>
    </div>
```

```
  <div class="row" data-aos="fade-up">
    <div class="col-lg-6">
      <div class="info-box mb-4">
        <i class="bx bx-map"></i>
```

<h3>Our Address</h3>

<p>A108 Adam Street, New York, NY
535022</p>

</div>

</div>

<div class="col-lg-3 col-md-6">

<div class="info-box mb-4">

<i class="bx bx-envelope"></i>

<h3>Email Us</h3>

<p>contact@tragedy.com</p>

</div>

</div>

<div class="col-lg-3 col-md-6">

<div class="info-box mb-4">

<i class="bx bx-phone-call"></i>

<h3>Call Us</h3>

<p>+91 9889 554855 </p>

</div>

</div>

</div>

<div class="row" data-aos="fade-up">

<div class="col-lg-6 ">

```
<iframe class="mb-4 mb-lg-0"
src="https://www.google.com/maps/embed?pb=!1m14!1m
8!1m3!1d12097.433213460943!2d-
74.0062269!3d40.7101282!3m2!1i1024!2i768!4f13.1!3m3
!1m2!1s0x0%3A0xb89d1fe6bc499443!2sDowntown+Conf
erence+Center!5e0!3m2!1smk!2sbg!4v1539943755621"
frameborder="0" style="border:0; width: 100%; height:
384px;" allowfullscreen></iframe>
</div>
```

```
<div class="col-lg-6">
  <form action="forms/contact.php" method="post"
role="form" class="php-email-form">
    <div class="row">
      <div class="col-md-6 form-group">
        <input type="text" name="name" class="form-
control" id="name" placeholder="Your Name" required>
      </div>
      <div class="col-md-6 form-group mt-3 mt-md-
0">
        <input type="email" class="form-control"
name="email" id="email" placeholder="Your Email"
required>
      </div>
    </div>
  </div>
  <div class="form-group mt-3">
```



```

        <input type="text" class="form-control"
name="subject" id="subject" placeholder="Subject"
required>
        </div>
        <div class="form-group mt-3">
            <textarea class="form-control" name="message"
rows="5" placeholder="Message" required></textarea>
        </div>
        <div class="my-3">
            <div class="loading">Loading</div>
            <div class="error-message"></div>
            <div class="sent-message">Your message has
been sent. Thank you!</div>
        </div>
        <div class="text-center"><button
type="submit">Send Message</button></div>
    </form>
</div>

</div>

</section><!-- End Contact Section -->

</main><!-- End #main -->

<!-- ===== Footer ===== -->

```

```
<footer id="footer">
  <div class="footer-top">
    <div class="container">
      <div class="row">

        <div class="col-lg-4 col-md-6">
          <div class="footer-info">
            <h3>Day</h3>
            <p>
              A108 Adam Street <br>
              NY 535022, USA<br><br>
              <strong>Phone:</strong> +91 9889 554855<br>
              <strong>Email:</strong> info@tragedy.com<br>
            </p>

          </div>

        <div class="container">
          <div class="copyright">
            &copy; Copyright
            <strong><span>Day</span></strong>. All Rights
            Reserved
          </div>
          <div class="credits">
            <!-- All the links in the footer should remain intact. --
          >
```

<!-- You can delete the links only if you purchased the pro version. -->

<!-- Licensing information:
https://bootstrapmade.com/license/ -->

<!-- Purchase the pro version with working PHP/AJAX contact form: https://bootstrapmade.com/day-multipurpose-html-template-for-free/ -->

Designed by BootstrapMade

</div>

</div>

</footer><!-- End Footer -->

<i class="bi bi-arrow-up-short"></i>

<div id="preloader"></div>

<!-- Vendor JS Files -->

<script src="assets/vendor/aos/aos.js"></script>

<script src="assets/vendor/bootstrap/js/bootstrap.bundle.min.js"></script>

<script src="assets/vendor/glightbox/js/glightbox.min.js"></script>
>

```
<script src="assets/vendor/isotope-  
layout/isotope.pkgd.min.js"></script>  
<script src="assets/vendor/swiper/swiper-  
bundle.min.js"></script>  
<script src="assets/vendor/php-email-  
form/validate.js"></script>
```

```
<!-- Template Main JS File -->
```

```
<script src="assets/js/main.js"></script>
```

```
</body>
```

```
</html
```
