THE TRAGEDY OF FLIGHT : A COMPREHENSIVE CRASH ANALYSIS

1   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. 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.

1.2 Purpose

A literature survey is a method of researching existing literature and studies related to a specific topic. In the context of analyzing the airplane crash, a literature survey would involve reviewing studies and articles that have been published on the topic of airplane crash, as well as studies specific to crash analysis.

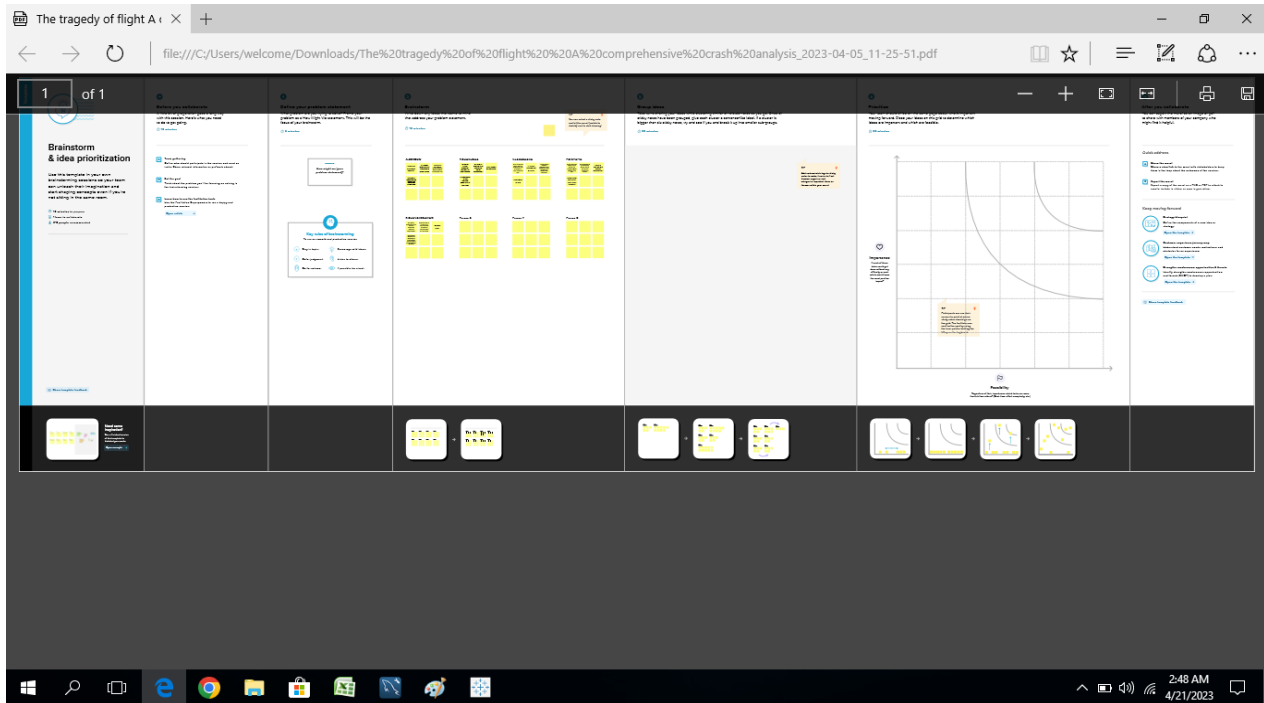## 2   Problem definition and design thinking

2.1   Empathy map

THE TRAGEDY OF FLIGHT : A COMPREHENSIVE CRASH ANALYSIS
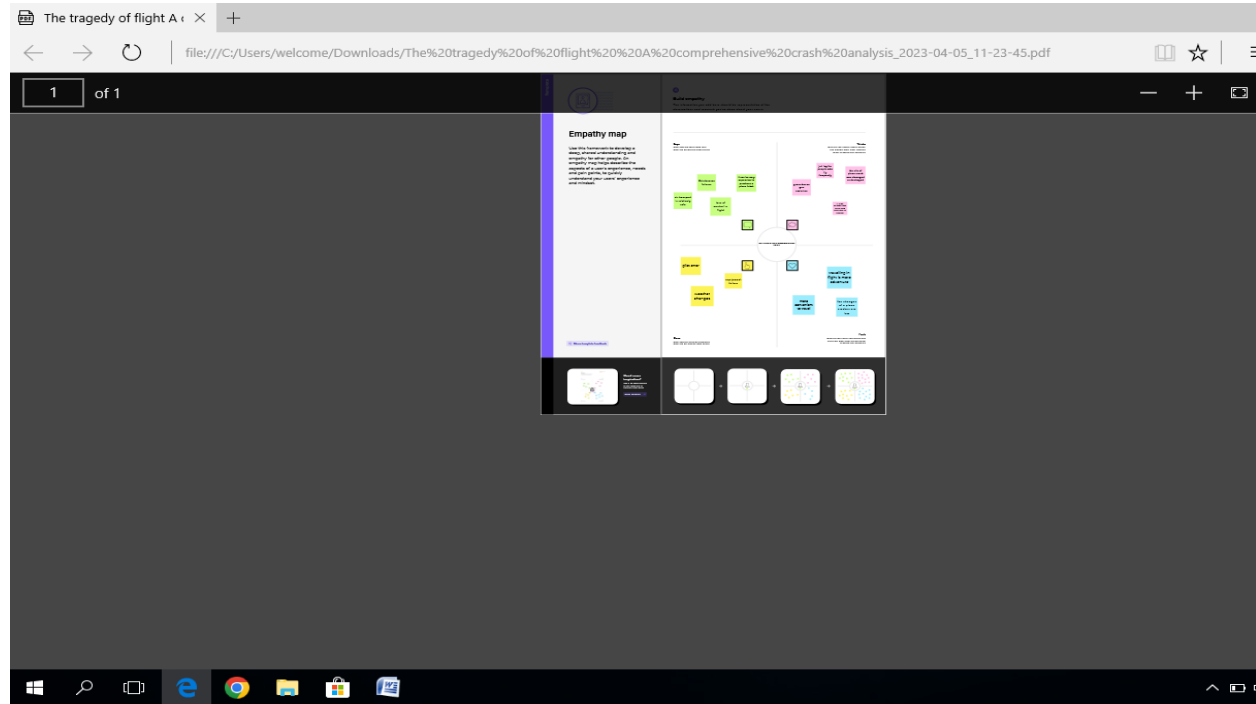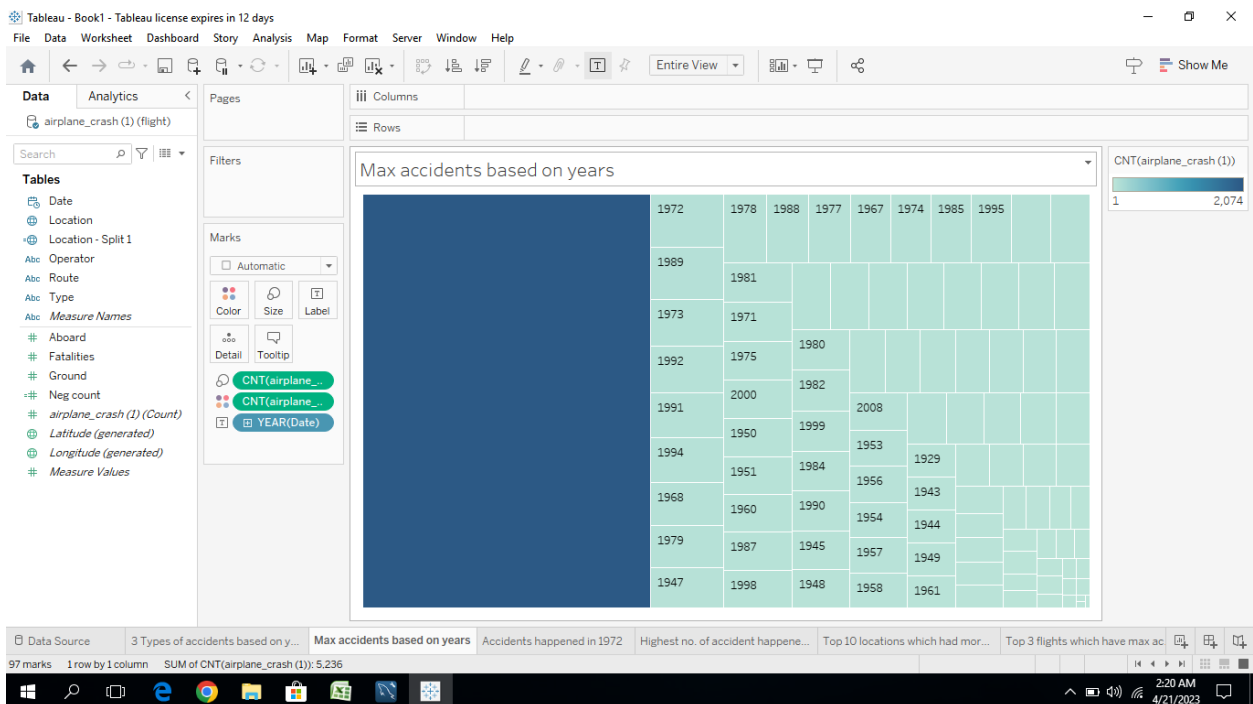

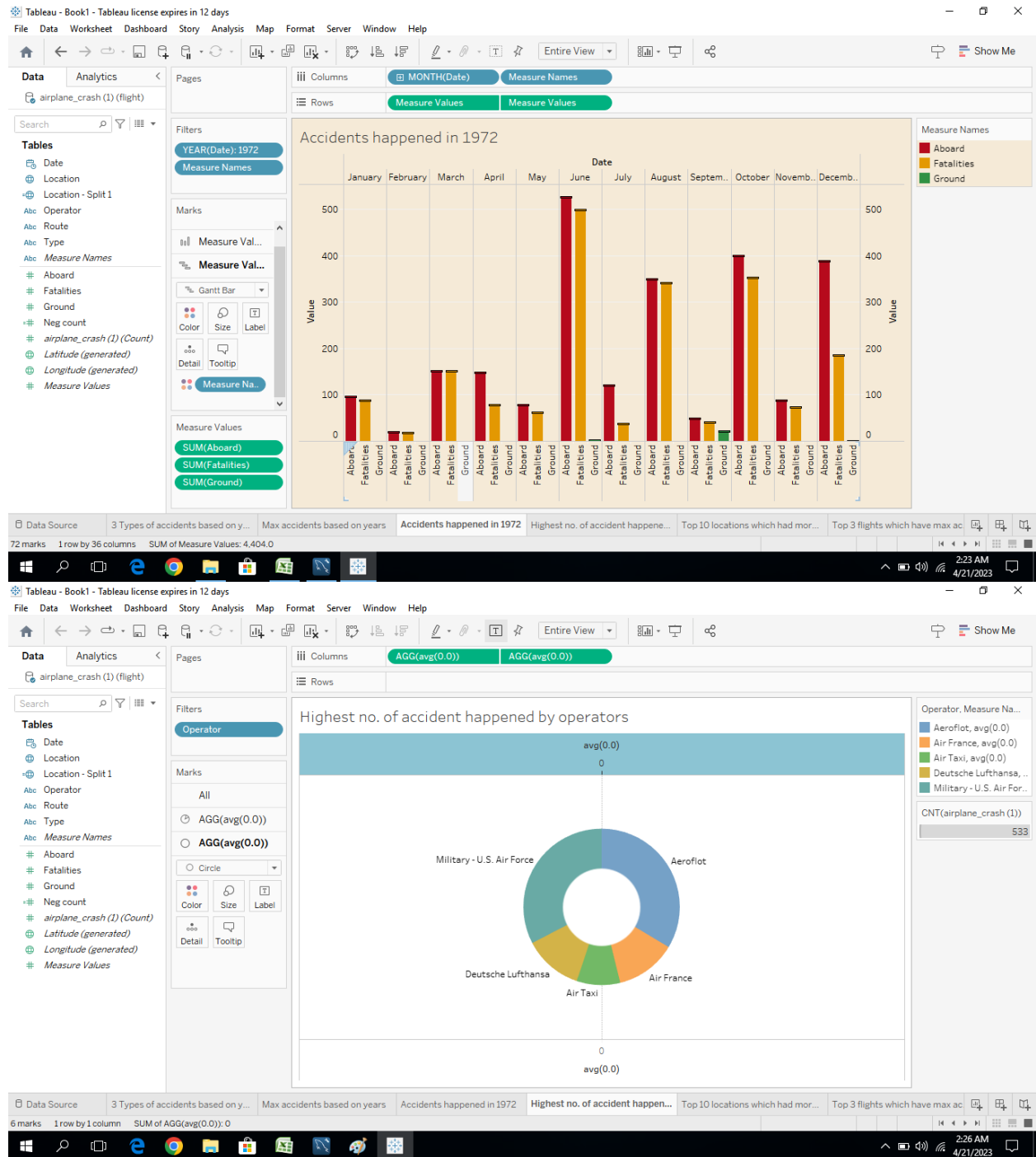2.2   Ideation and Brainstorming map

THE TRAGEDY OF FLIGHT : A COMPREHENSIVE CRASH ANALYSIS

3   RESULT

THE TRAGEDY OF FLIGHT : A COMPREHENSIVE CRASH ANALYSIS

THE TRAGEDY OF FLIGHT : A COMPREHENSIVE CRASH ANALYSIS

THE TRAGEDY OF FLIGHT : A COMPREHENSIVE CRASH ANALYSIS

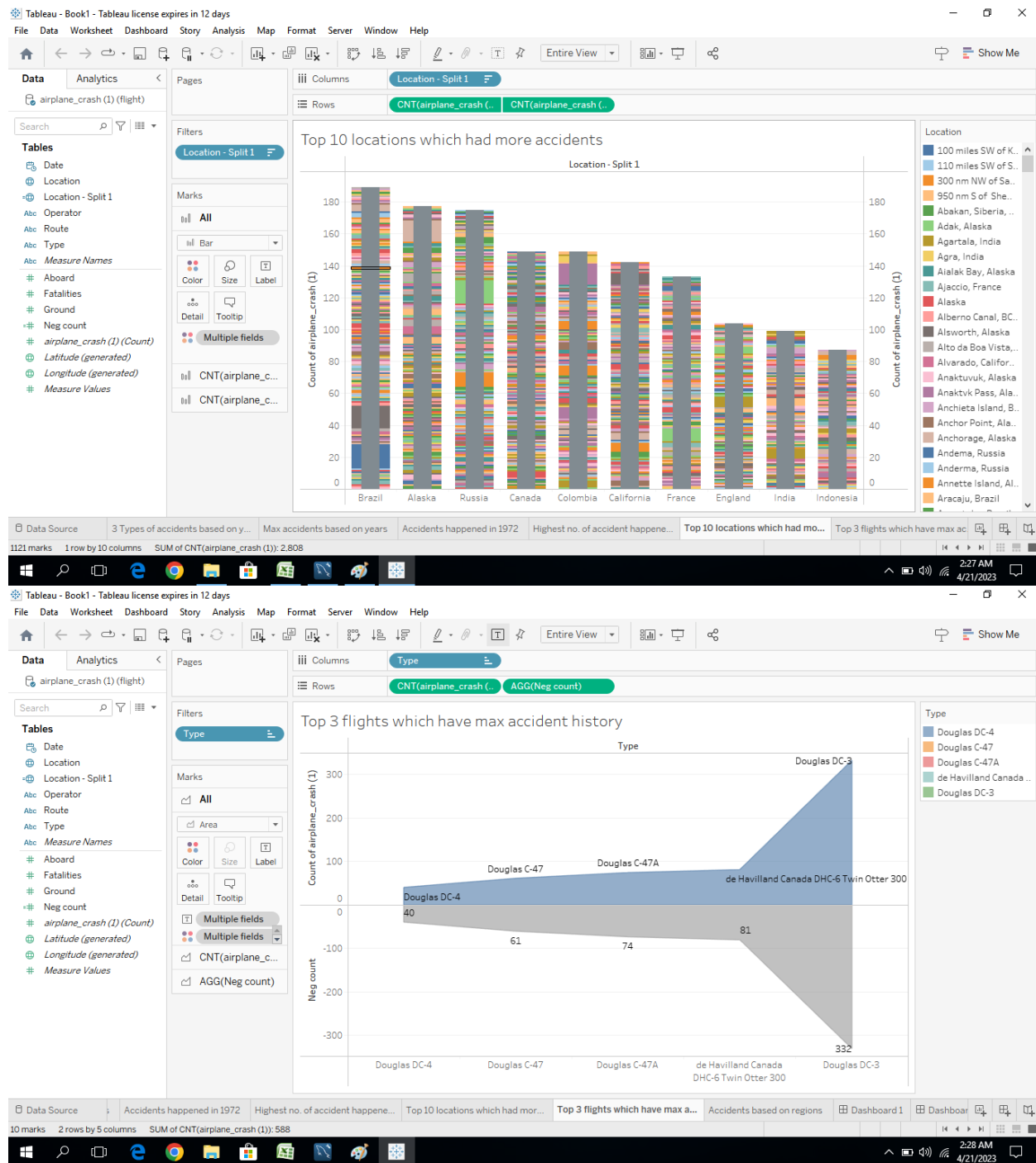# THE TRAGEDY OF FLIGHT : A COMPREHENSIVE CRASH ANALYSIS

4   ADVANTAGES AND DISADVANTAGES

THE TRAGEDY OF FLIGHT : A COMPREHENSIVE CRASH ANALYSIS

Detailed information about the crash, including the date, time, location ,and weather conditions at the time of the incident.

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.

A review of the flight data and cockpit voice recordings to gather additional information about the events leading up to the crash.

Interviews with the flight crew, passengers, and any witnesses to the crash to gather additional information about the incident.

5   APPLICATIONS

The analysis can provide closure to the families and loved ones of the victims of the crash, as well as to the broader public. It can also help to improve public confidence in the aviation industry by identifying and addressing any safety issues that may have contributed to the incident.

6   CONCLUSION

That summarizes the key findings and highlights their implications. Data stories can be told using a variety of mediums, such as reports, presentations, interactive visualizations, and vedios.

7   FUTURE SCOPE

The tragedy of flight a comprehensive crash analysis contains a collection of data about which year , month , date and location the airplane was crashed.

8   APPENTIX

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

THE TRAGEDY OF FLIGHT : A COMPREHENSIVE CRASH ANALYSIS

```html
<head>
  <meta charset="utf-8">
  <meta content="width=device-width, initial-scale=1.0" name="viewport">

  <title>SHPVIBE - Airplane Crash</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,600,600
i,700,700i|Jost:300,300i,400,400i,500,500i,600,600i,700,700i|Poppins:300,300i,400
,400i,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/remixicon/remixicon.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: Arsha - v4.9.1
  * Template URL: https://bootstrapmade.com/arsha-free-bootstrap-html-template-
corporate/
  * Author: BootstrapMade.com
  * License: https://bootstrapmade.com/license/
  ====================================================== -->
</head>

<body>
```

THE TRAGEDY OF FLIGHT : A COMPREHENSIVE CRASH ANALYSIS

```html
<!-- ======= Header ======= -->
<header id="header" class="fixed-top ">
  <div class="container d-flex align-items-center">

    <h1 class="logo me-auto"><a href="index.html">SHPVIBE</a></h1>
    <!-- Uncomment below if you prefer to use an image logo -->
    <!-- <a href="index.html" class="logo me-auto"><img
src="assets/img/logo.png" alt="" class="img-fluid"></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="#team">Dashboard</a></li>

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

        <li><a class="nav-link scrollto" href="#contact">Contact</a></li>
        <li><a class="getstarted scrollto" href="#about">Get Started</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">
    <div class="row">
      <div class="col-lg-6 d-flex flex-column justify-content-center pt-4 pt-
lg-0 order-2 order-lg-1" data-aos="fade-up" data-aos-delay="200">
        <h1>Airplane Crash analysis</h1>
        <h2>Airplane Crashes and Fatalities Since 1908</h2>
        <div class="d-flex justify-content-center justify-content-lg-start">
          <a href="#about" class="btn-get-started scrollto">Get Started</a>
          <a href="https://www.youtube.com/@thesmartbridge/videos"
class="glightbox btn-watch-video"><i class="bi bi-play-circle"></i><span>Watch
Video</span></a>
        </div>
```

THE TRAGEDY OF FLIGHT : A COMPREHENSIVE CRASH ANALYSIS

```html
        </div>
        <div class="col-lg-6 order-1 order-lg-2 hero-img" data-aos="zoom-in"
data-aos-delay="200">
          <img src="assets/img/a1.jpg" class="img-fluid animated" alt="">
        </div>
      </div>
    </div>

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

  <main id="main">
      <!-- ======= About Us Section ======= -->
    <section id="about" class="about">
      <div class="container" data-aos="fade-up">

        <div class="section-title">
          <h2>About Project</h2>
        </div>

        <div class="row content">
          <div class="col-lg-6">
            <p>
              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
            </p>
            <ul>
              <li><i class="ri-check-double-line"></i> a) a person is fatally or
seriously injured, </li>
              <li><i class="ri-check-double-line"></i> b) the aircraft sustains
significant damage or structural failure, or </li>
              <li><i class="ri-check-double-line"></i> c) the aircraft goes
missing or becomes completely inaccessible.</li>
            </ul>
          </div>
          <div class="col-lg-6 pt-4 pt-lg-0">
            <p>
              This dataset includes:
            <ul>
              <li><i class="ri-check-double-line"></i> All civil and commercial
aviation accidents of scheduled and non-scheduled passenger airliners worldwide,
```

```html
which resulted in a fatality (including all U.S. Part 121 and Part 135 fatal
accidents)</li>
                <li><i class="ri-check-double-line"></i> All cargo, positioning,
ferry and test flight fatal accidents.</li>
                <li><i class="ri-check-double-line"></i> All military transport
accidents with 10 or more fatalities.</li>
                <li><i class="ri-check-double-line"></i> All commercial and
military helicopter accidents with greater than 10 fatalities.</li>
                <li><i class="ri-check-double-line"></i> All civil and military
airship accidents involving fatalities.</li>
                <li><i class="ri-check-double-line"></i> Aviation accidents
involving the death of famous people.</li>
              </ul>
          </p>
          </div>
      </div>

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

    <!-- ======= Cta Section ======= -->
    <section id="cta" class="cta">
      <div class="container" data-aos="zoom-in">

        <div class="row">
          <div class="col-lg-9 text-center text-lg-start">
            <h3>Call To Action</h3>
            </div>
          <div class="col-lg-3 cta-btn-container text-center">
            <a class="cta-btn align-middle" href="#">Call To Action</a>
          </div>
        </div>

      </div>
    </section><!-- End Cta Section -->
    <!-- ======= Team Section ======= -->
    <section id="team" class="team section-bg">
      <div class="container" data-aos="fade-up">

        <div class="section-title">
          <h2>Dashboard</h2>
          </div>
```

THE TRAGEDY OF FLIGHT : A COMPREHENSIVE CRASH ANALYSIS

```html
          <div class='tableauPlaceholder' id='viz1682074112044' style='position:
relative'><noscript><a href='#'><img alt='Dashboard 1 '
src='https:&#47;&#47;public.tableau.com&#47;static&#47;images&#47;Bo&#47;Book1_16
820727480990&#47;Dashboard1&#47;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='Book1_16820727480990&#47;Dashboard1' /><param name='tabs'
value='no' /><param name='toolbar' value='yes' /><param name='static_image'
value='https:&#47;&#47;public.tableau.com&#47;static&#47;images&#47;Bo&#47;Book1_
16820727480990&#47;Dashboard1&#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('viz1682074112044');
    var vizElement = divElement.getElementsByTagName('object')[0];
    if ( divElement.offsetWidth > 800 ) {
vizElement.style.width='100%';vizElement.style.height=(divElement.offsetWidth*0.7
5)+'px';} else if ( divElement.offsetWidth > 500 ) {
vizElement.style.width='100%';vizElement.style.height=(divElement.offsetWidth*0.7
5)+'px';} else { vizElement.style.width='100%';vizElement.style.height='1527px';}
                var scriptElement = document.createElement('script');
        scriptElement.src =
'https://public.tableau.com/javascripts/api/viz_v1.js';
 vizElement.parentNode.insertBefore(scriptElement, vizElement);
 </script>
      </div>
    </section><!-- End Team Section -->

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

      <div class="section-title">
        <h2>Story</h2>
        </div>
        <div class='tableauPlaceholder' id='viz1682074449412' style='position:
relative'><noscript><a href='#'><img alt='Story 1 '
src='https:&#47;&#47;public.tableau.com&#47;static&#47;images&#47;Bo&#47;Book1_16
820727480990&#47;Story1&#47;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
```

THE TRAGEDY OF FLIGHT : A COMPREHENSIVE CRASH ANALYSIS

```html
name='embed_code_version' value='3' /> <param name='site_root' value='' /><param
name='name' value='Book1_16820727480990&#47;Story1' /><param name='tabs'
value='no' /><param name='toolbar' value='yes' /><param name='static_image'
value='https:&#47;&#47;public.tableau.com&#47;static&#47;images&#47;Bo&#47;Book1_
16820727480990&#47;Story1&#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('viz1682074449412');
    var vizElement = divElement.getElementsByTagName('object')[0];
    vizElement.style.width='1016px';vizElement.style.height='991px';
      var scriptElement = document.createElement('script');
 scriptElement.src = 'https://public.tableau.com/javascripts/api/viz_v1.js';
              vizElement.parentNode.insertBefore(scriptElement, vizElement);
          </script>
        </div>
      </section><!-- End Pricing Section -->


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

          <div class="section-title">
            <h2>Contact</h2>
          </div>

          <div class="row">

            <div class="col-lg-5 d-flex align-items-stretch">
              <div class="info">
                <div class="address">
                  <i class="bi bi-geo-alt"></i>
                  <h4>Location:</h4>
                  <p>xxxxxx Street, xxx, xx 53xxx2</p>
                </div>

                <div class="email">
                  <i class="bi bi-envelope"></i>
                  <h4>Email:</h4>
                  <p>info@example.com</p>
                </div>
```

THE TRAGEDY OF FLIGHT : A COMPREHENSIVE CRASH ANALYSIS

```html
            <div class="phone">
              <i class="bi bi-phone"></i>
              <h4>Call:</h4>
              <p>+1 5xxx 5xxx8 5xs</p>
            </div>

            <iframe
src="https://www.google.com/maps/embed?pb=!1m14!1m8!1m3!1d12097.433213460943!2d-
74.0062269!3d40.7101282!3m2!1i1024!2i768!4f13.1!3m3!1m2!1s0x0%3A0xb89d1fe6bc49944
3!2sDowntown+Conference+Center!5e0!3m2!1smk!2sbg!4v1539943755621" frameborder="0"
style="border:0; width: 100%; height: 290px;" allowfullscreen></iframe>
          </div>

        </div>

        <div class="col-lg-7 mt-5 mt-lg-0 d-flex align-items-stretch">
          <form action="forms/contact.php" method="post" role="form"
class="php-email-form">
            <div class="row">
              <div class="form-group col-md-6">
                <label for="name">Your Name</label>
                <input type="text" name="name" class="form-control" id="name"
required>
              </div>
              <div class="form-group col-md-6">
                <label for="name">Your Email</label>
                <input type="email" class="form-control" name="email"
id="email" required>
              </div>
            </div>
            <div class="form-group">
              <label for="name">Subject</label>
              <input type="text" class="form-control" name="subject"
id="subject" required>
            </div>
            <div class="form-group">
              <label for="name">Message</label>
              <textarea class="form-control" name="message" rows="10"
required></textarea>
            </div>
            <div class="my-3">
              <div class="loading">Loading</div>
```

THE TRAGEDY OF FLIGHT : A COMPREHENSIVE CRASH ANALYSIS

```html
                <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>

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

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

<!-- ======= Footer ======= -->
<footer id="footer">

  <div class="footer-newsletter">
    <div class="container">
      <div class="row justify-content-center">
        <div class="col-lg-6">
          <h4>Join Our Newsletter</h4>

          <form action="" method="post">
            <input type="email" name="email"><input type="submit"
value="Subscribe">
          </form>
        </div>
      </div>
    </div>
  </div>

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


        <div class="col-lg-3 col-md-6 footer-links">
          <h4>Useful Links</h4>
          <ul>
```

THE TRAGEDY OF FLIGHT : A COMPREHENSIVE CRASH ANALYSIS

```html
            <li><i class="bx bx-chevron-right"></i> <a
href="#hero">Home</a></li>
            <li><i class="bx bx-chevron-right"></i> <a
href="#about">About</a></li>
            <li><i class="bx bx-chevron-right"></i> <a
href="#portfolio">Charts</a></li>
            <li><i class="bx bx-chevron-right"></i> <a
href="#team">Dashboard</a></li>
            <li><i class="bx bx-chevron-right"></i> <a
href="#pricing">Story</a></li>
          </ul>
        </div>

        <div class="col-lg-3 col-md-6 footer-links">
          <h4></h4>
          <ul>

          </ul>
        </div>
        <div class="col-lg-3 col-md-6 footer-links">
          <h4></h4>
          <ul>

          </ul>
        </div>

        <div class="col-lg-3 col-md-6 footer-links">
          <h4>Our Social Networks</h4>

          <div class="social-links mt-3">
            <a href="https://www.linkedin.com/in/hariprabu741/"
class="linkedin"><i class="bx bxl-linkedin"></i></a>
            <a href="#" class="twitter"><i class="bx bxl-twitter"></i></a>
            <a href="#" class="facebook"><i class="bx bxl-facebook"></i></a>
            <a href="#" class="instagram"><i class="bx bxl-instagram"></i></a>
            <a href="#" class="google-plus"><i class="bx bxl-skype"></i></a>

          </div>
        </div>

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

THE TRAGEDY OF FLIGHT : A COMPREHENSIVE CRASH ANALYSIS

```html
    <div class="container footer-bottom clearfix">
      <div class="copyright">
        &copy; Copyright <strong><span>SHPVIBE</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/arsha-free-bootstrap-html-template-corporate/ -->
        Designed by <a href="https://bootstrapmade.com/">SHPVIBE</a>
      </div>
    </div>
  </footer><!-- End Footer -->

  <div id="preloader"></div>
  <a href="#" class="back-to-top d-flex align-items-center justify-content-
center"><i class="bi bi-arrow-up-short"></i></a>

  <!-- 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/waypoints/noframework.waypoints.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>
```