

THIRUVALLUVAR COLLEGE

Papanasam

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Team Size : 4

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The Tragedy of flight: A Comprehensive crash analysis

Introduction

i. Overview

The conquest of space by man was a great event, which, unfortunately, was associated with the death of many of the testers of the first flight. Air travel is the fastest way to cover long distances. But the modern flights so reliable on the ground, in the air, and while landing can run into unexpected problems. We have gathered information for our readers about the world's biggest plane crashes - terrible tragedies that claimed the lives of hundreds of people.

ii. Purpose

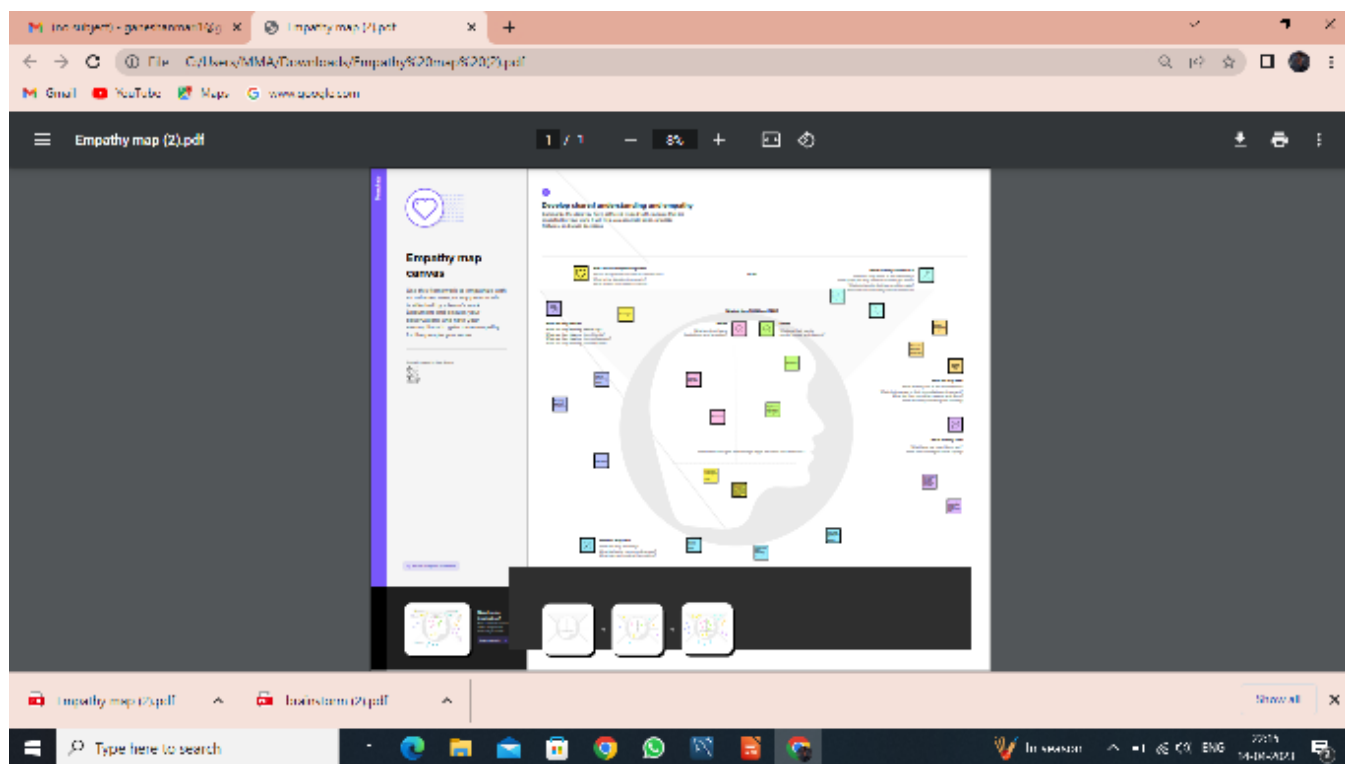
Although flying is very safe, the most common reasons why flights crash include pilot error, technical malfunctions, bad weather, terrorism, and pilot fatigue. There is no single reason for a plane crash. Its main purpose is how to reduce air accidents.

Problem Definitions

Flight accidents have decrease or increase in the last 30 years?

Designs thinking

Empathy Map



Ideation and Brainstorming Map

The screenshot shows a web browser window with the URL `C:/Users/MMV/Downloads/brainstorming2021.pdf`. The page is titled "brainstorm (2).pdf" and contains three main sections:

- collaborate**
Separation goes a long way
n. Here's what you need
ng.
- 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

PROBLEM
Flight accidents have increasing or decreasing in the last 30 years?
- 2 Brainstorm**
Write down any ideas that address your problem.
⌚ 10 minutes

Person 1
What are the main causes of flight accidents?
What are the main causes of flight accidents?
What are the main causes of flight accidents?
What are the main causes of flight accidents?
What are the main causes of flight accidents?
What are the main causes of flight accidents?
What are the main causes of flight accidents?
What are the main causes of flight accidents?
What are the main causes of flight accidents?
What are the main causes of flight accidents?

The bottom of the screen shows a Windows taskbar with various application icons and a search bar.

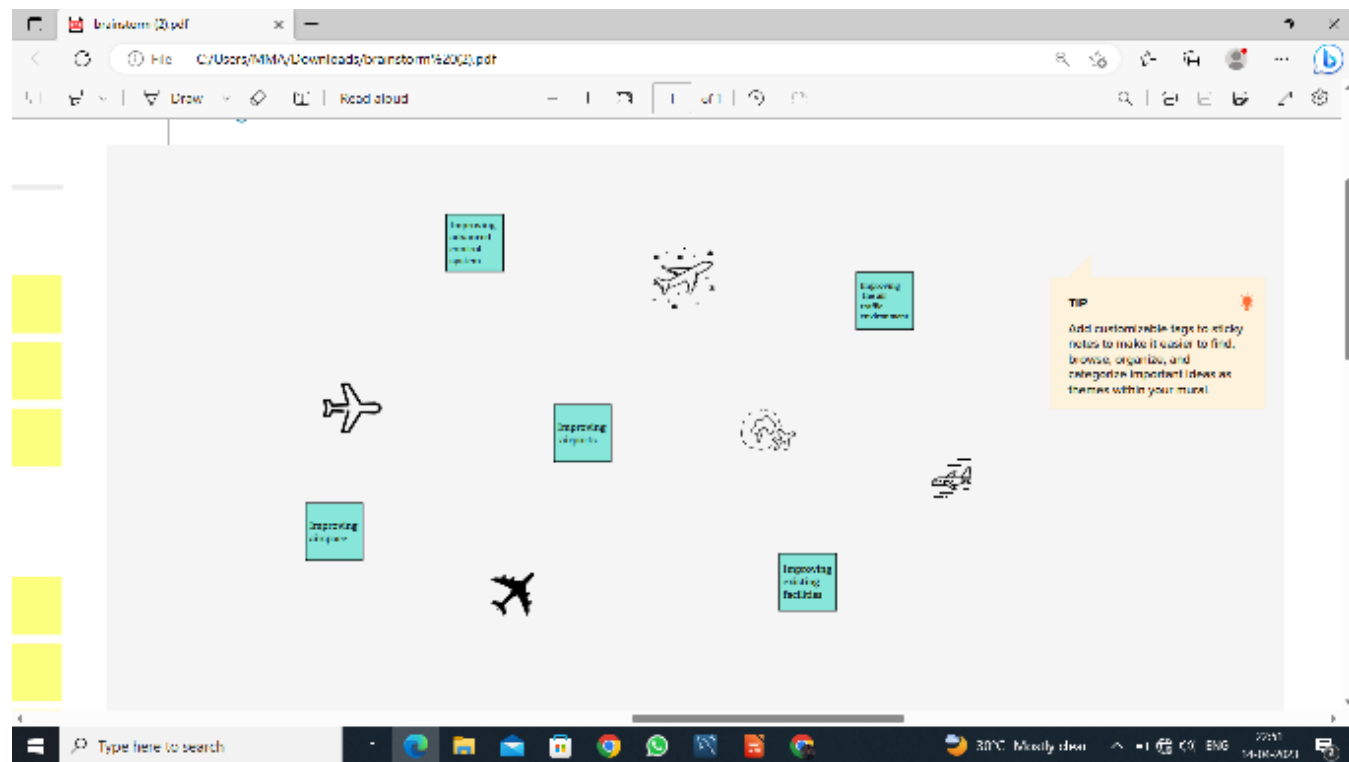
brainstorm (2).pdf

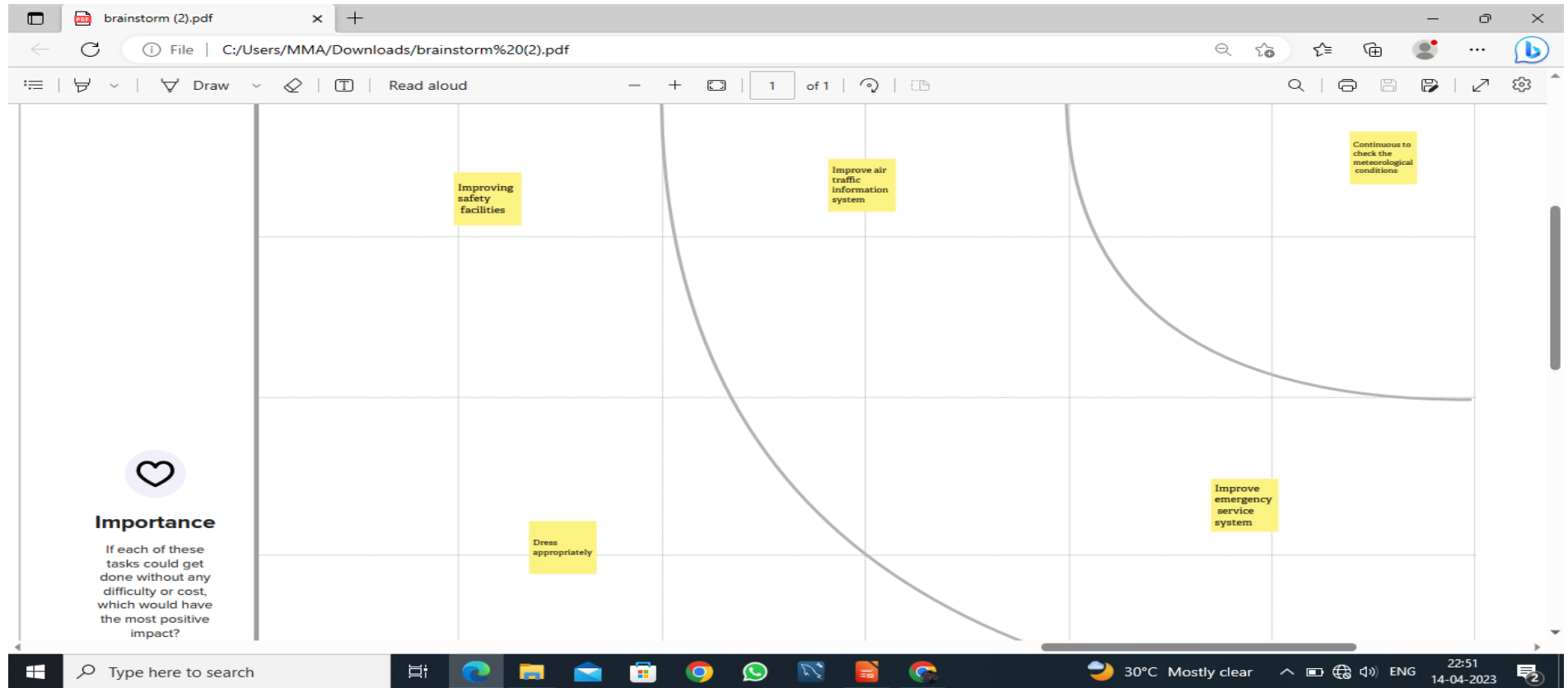
Person 1

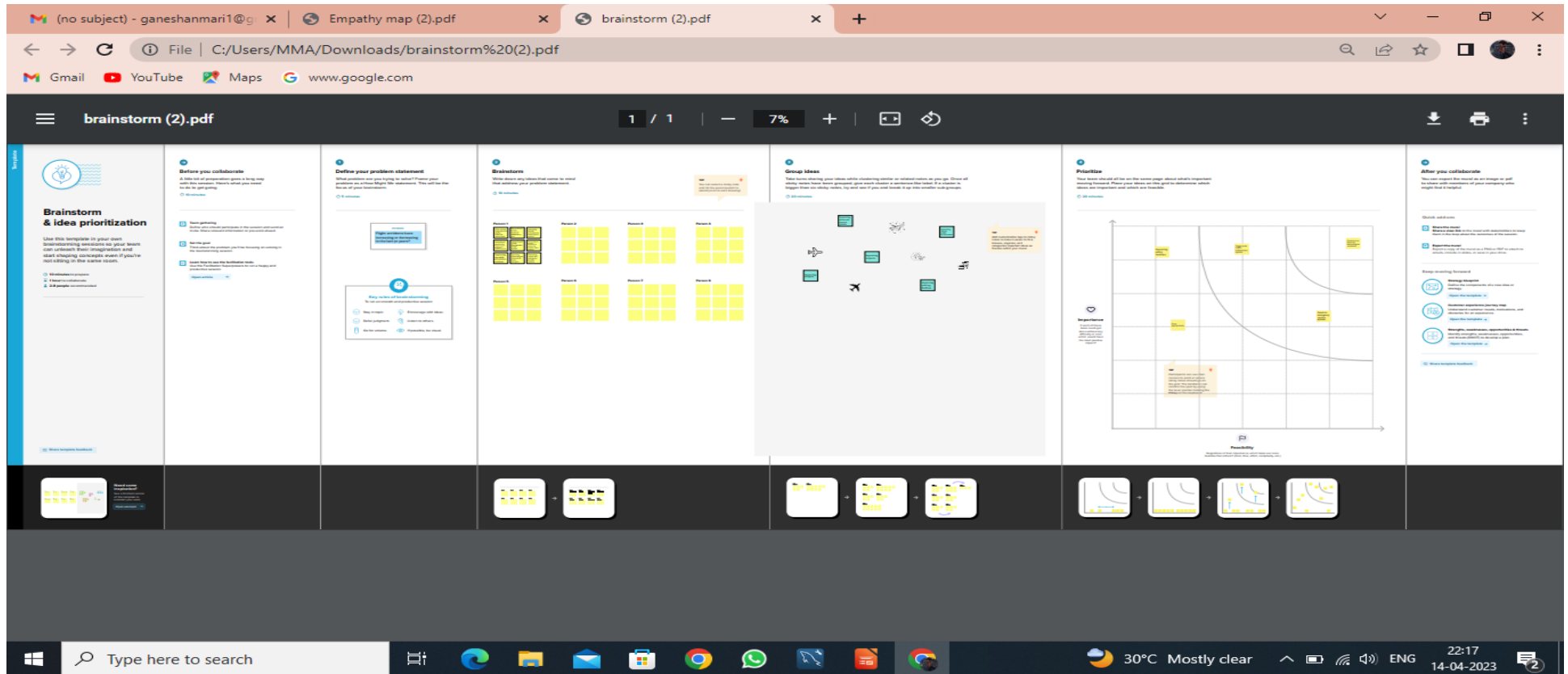
- If the runway is big then the airport should be constructed.
- Another think that you may want to remember when flying is not wear clothing that is made from synthetic materials.
- Improving the skills of aviation workers.
- Fact is we have the best mechanics whom are experts in the field.
- Improving Air Traffic Management (ATM) system.
- Improving meteorological information for air transport.
- Improving aircraft maintenance examination system.
- Enhancing the disaster measures of airport and aviation safety facilities.
- Enhancing rescue and emergency services system.

Person 2

04/15/2023





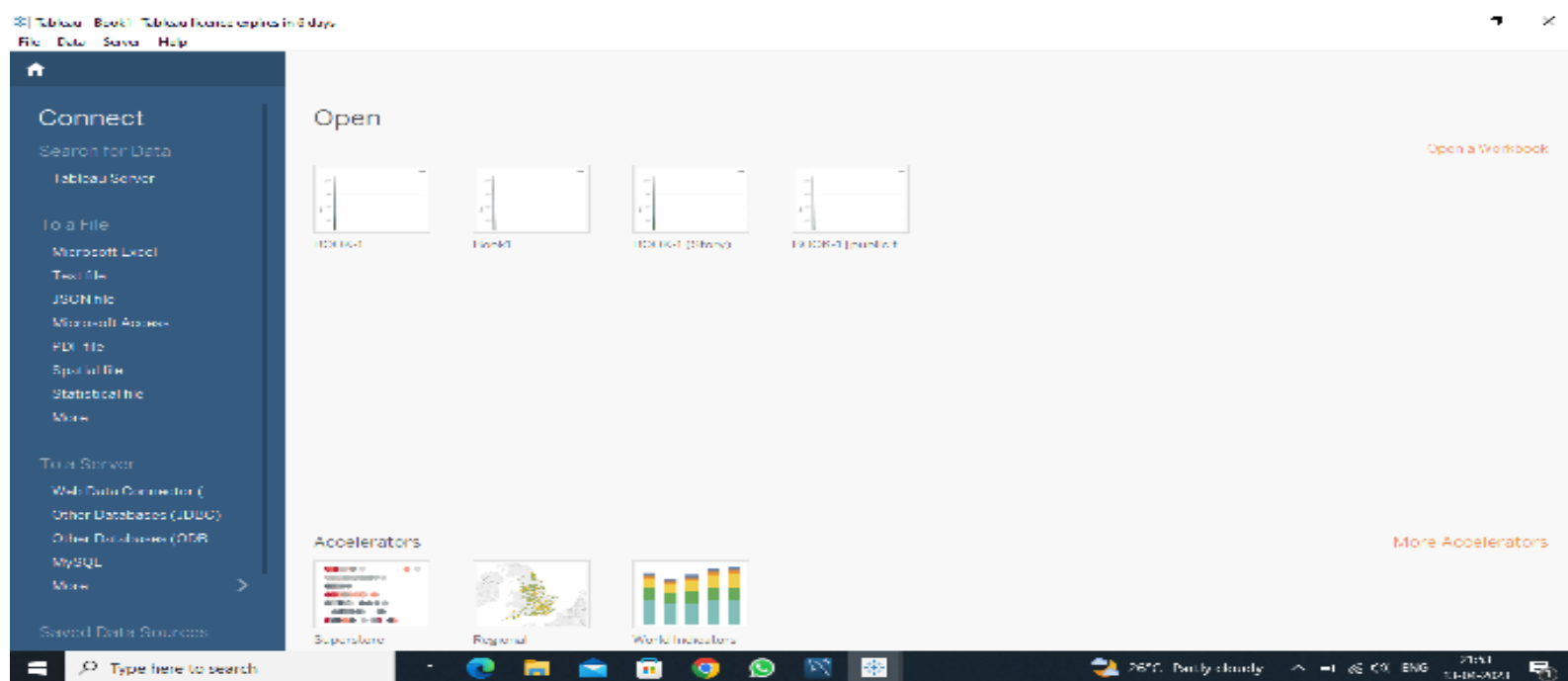


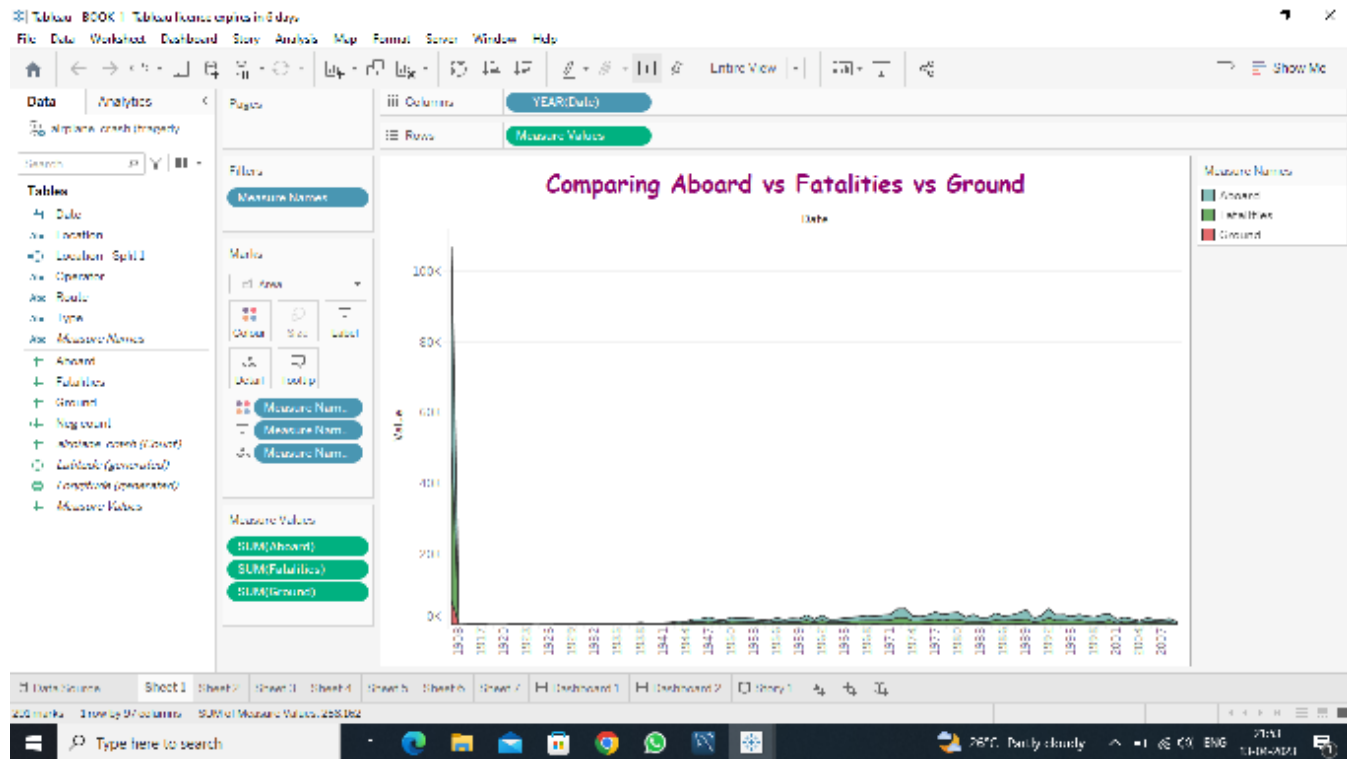
04/15/2023

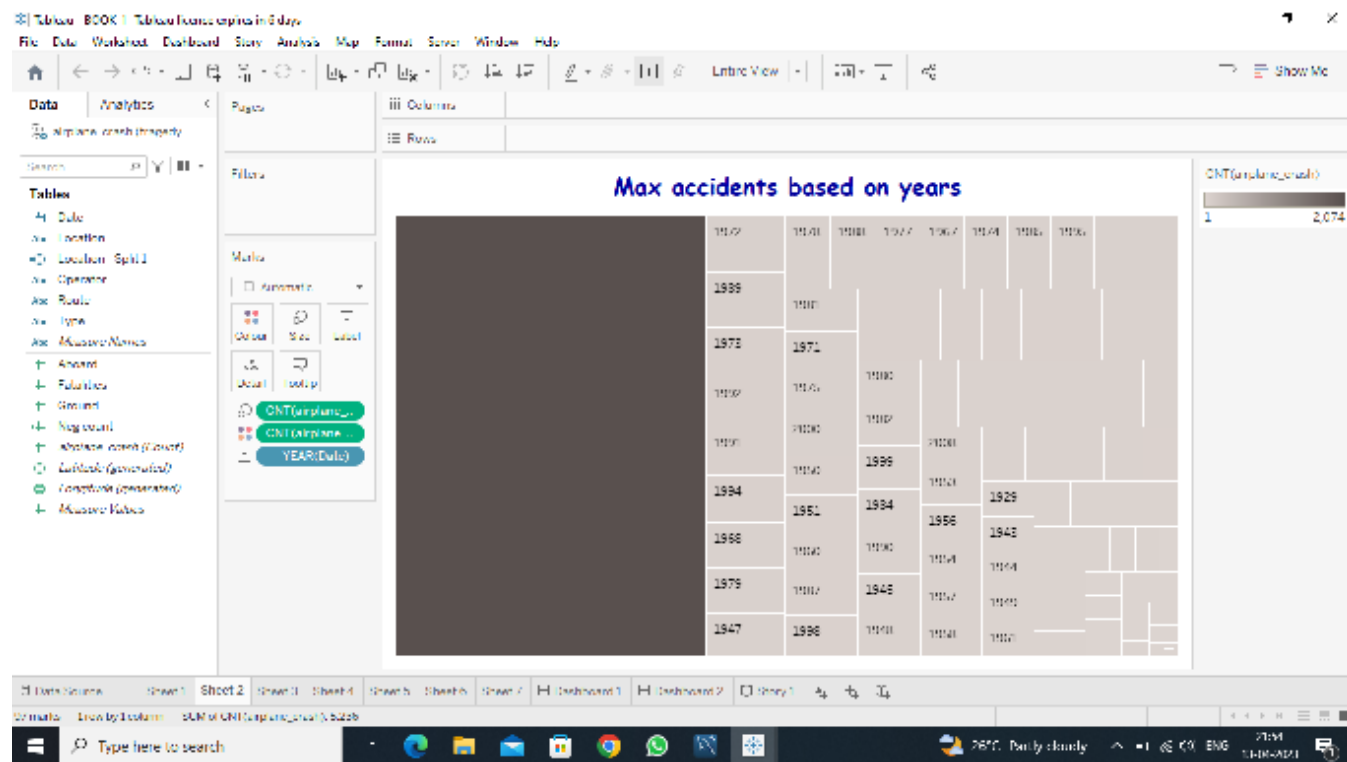
10

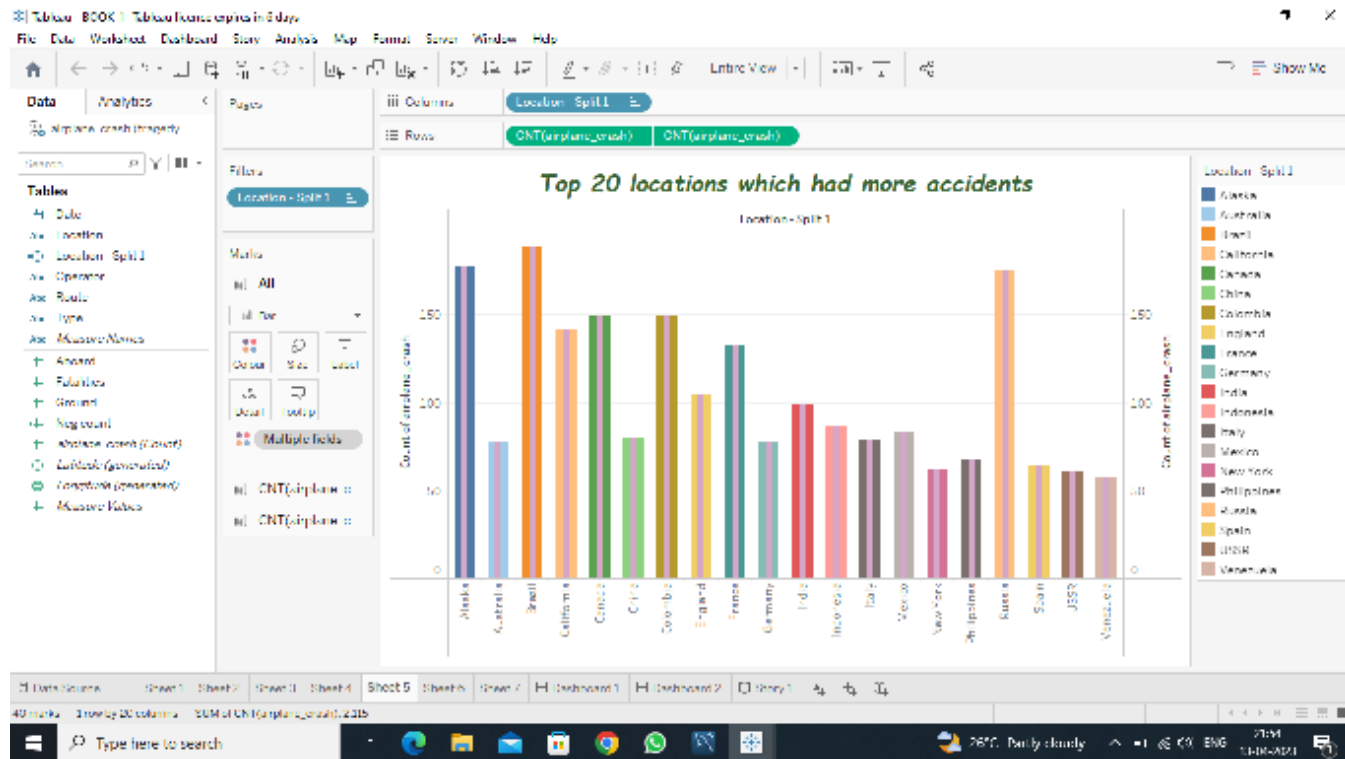
Result

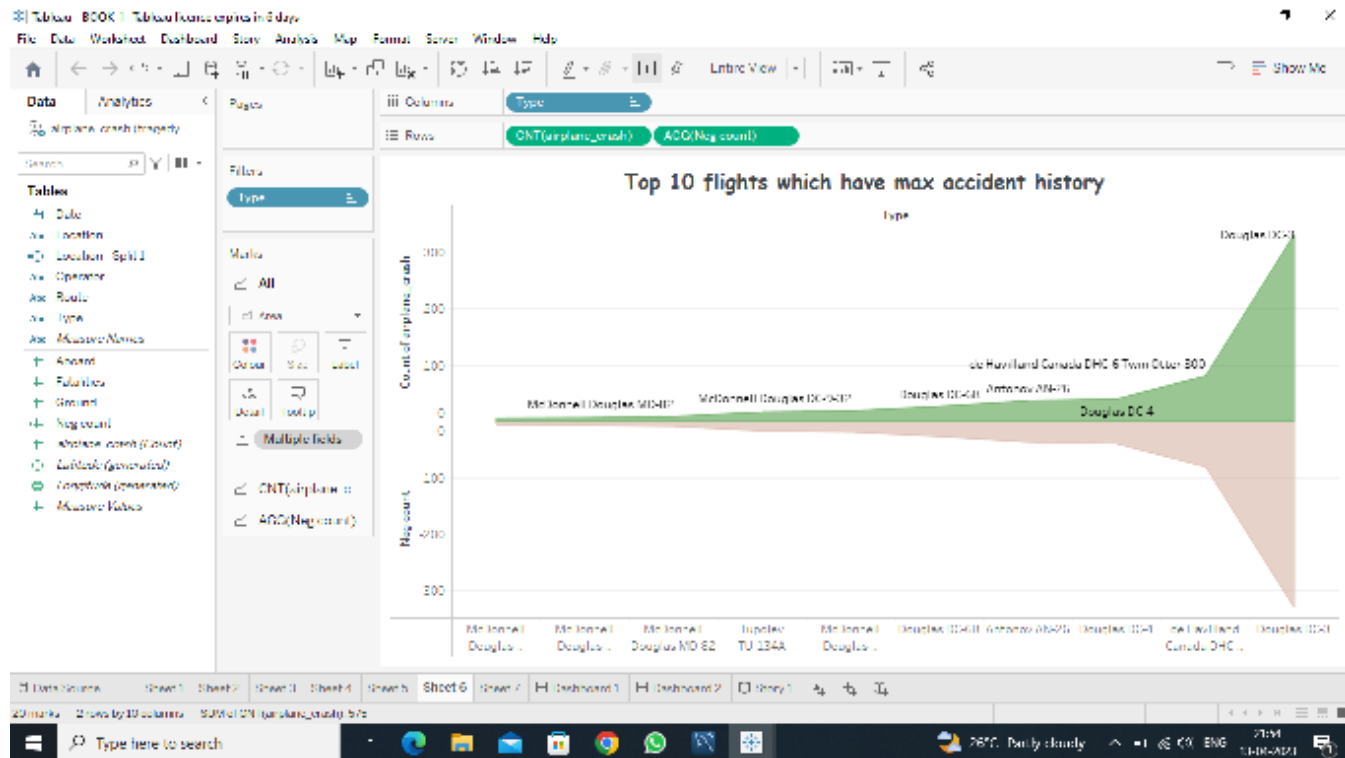
Tableau output

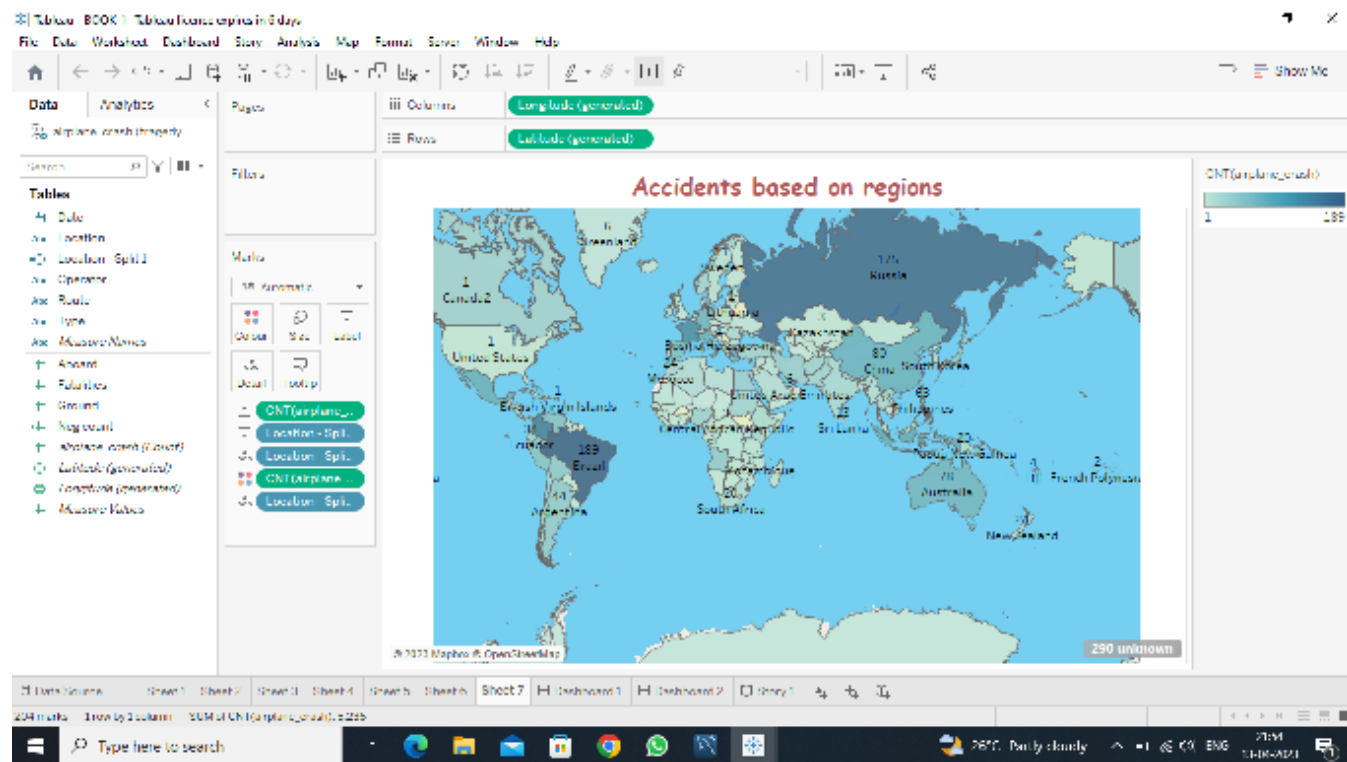












Advantages and disadvantages

Advantages

- Fast delivery times
- Comfortable and Quick Services
- Most Suitable for Carrying Light Goods of High Value
- Quick Clearance
- No Physical Barriers

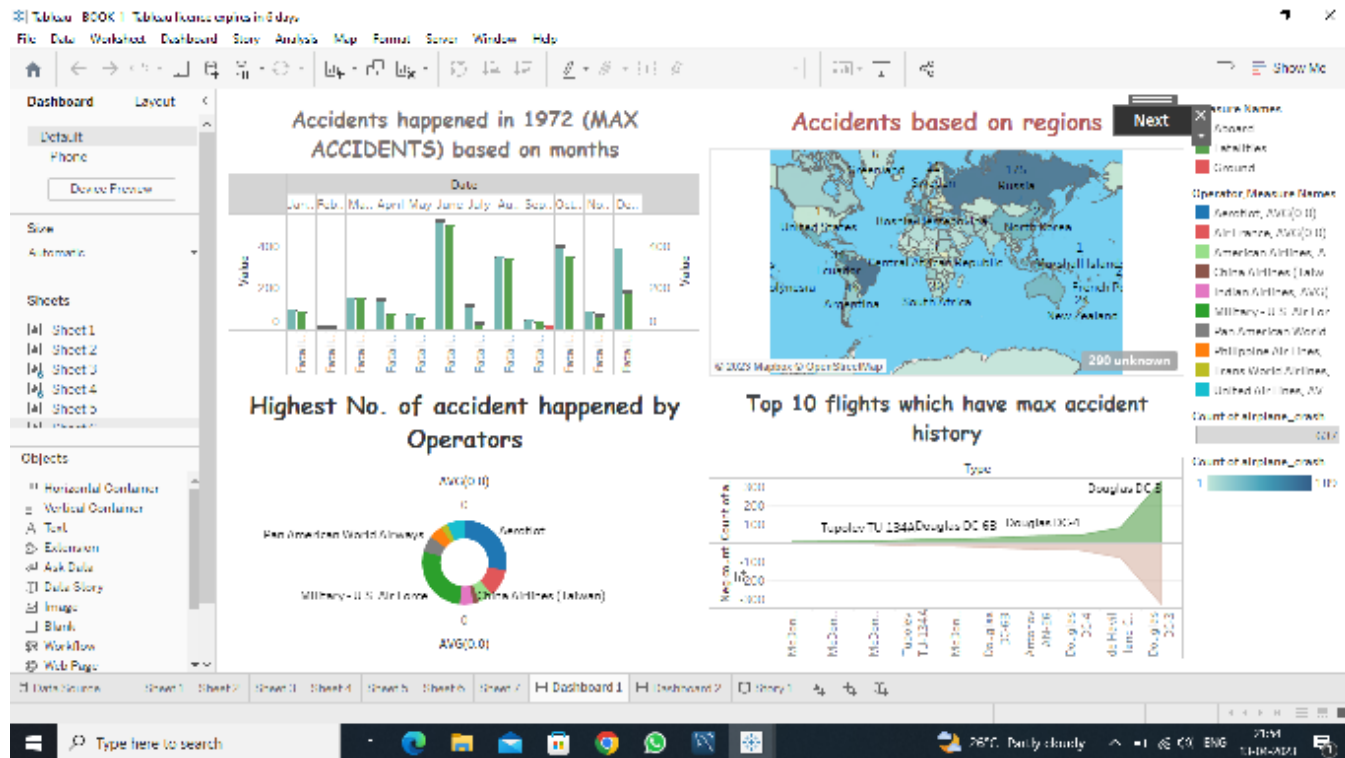
Disadvantages

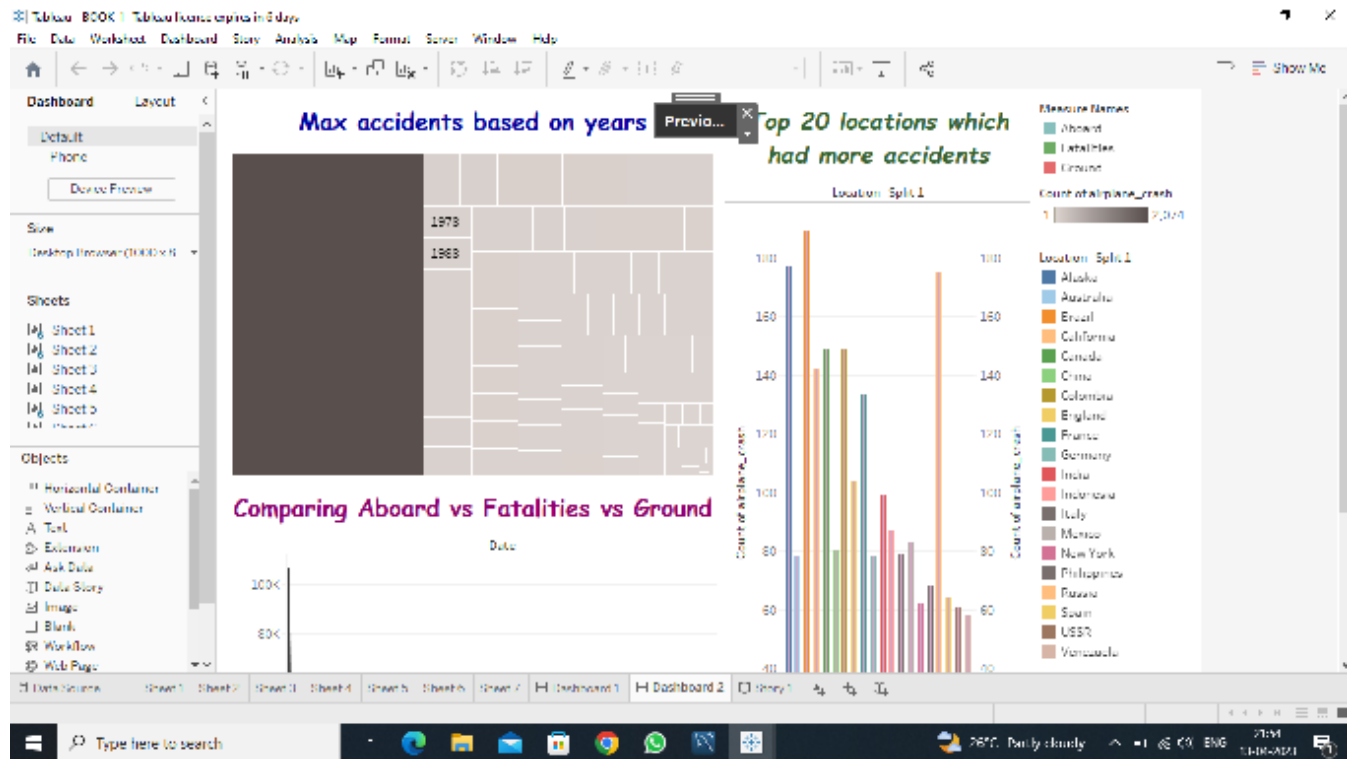
- Very Costly
- Uncertain and Unreliable
- Breakdowns and Accidents
- Legal Restrictions
- Small Carrying Capacity
- Large Investment

Conclusion

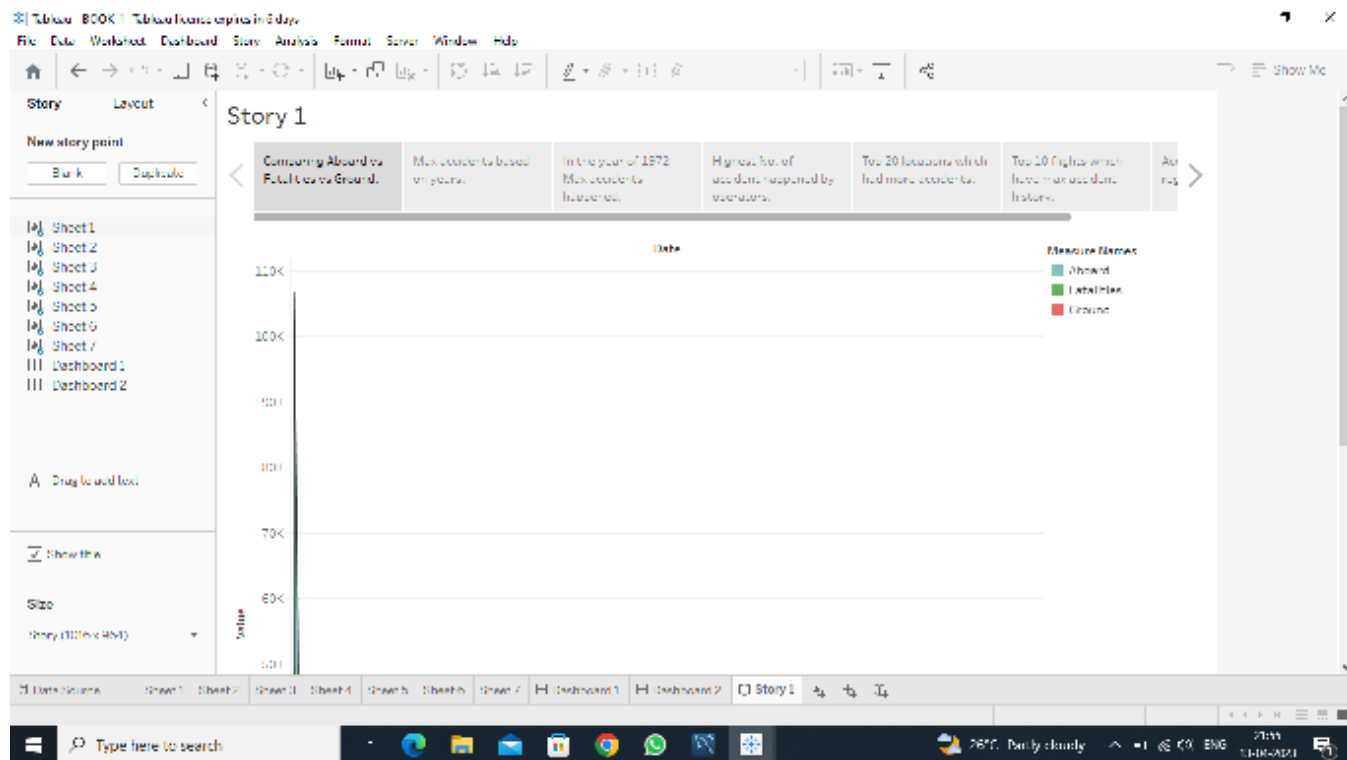
- ◆ After during the project, we have realised the challenges faced with flight pilot and airline organization.
- ◆ We now conclude that the number of plane accidents has decreased . Because now the technology is developing well.

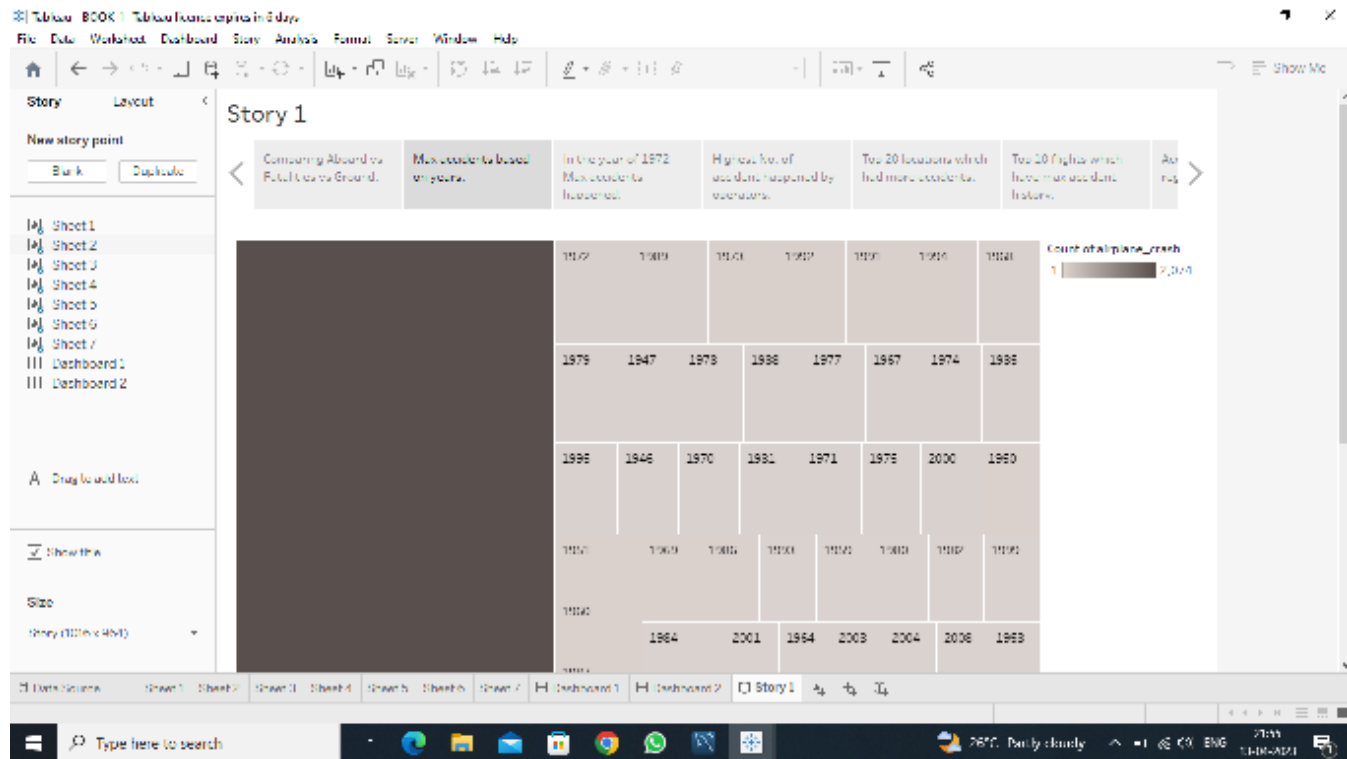
Dashboard

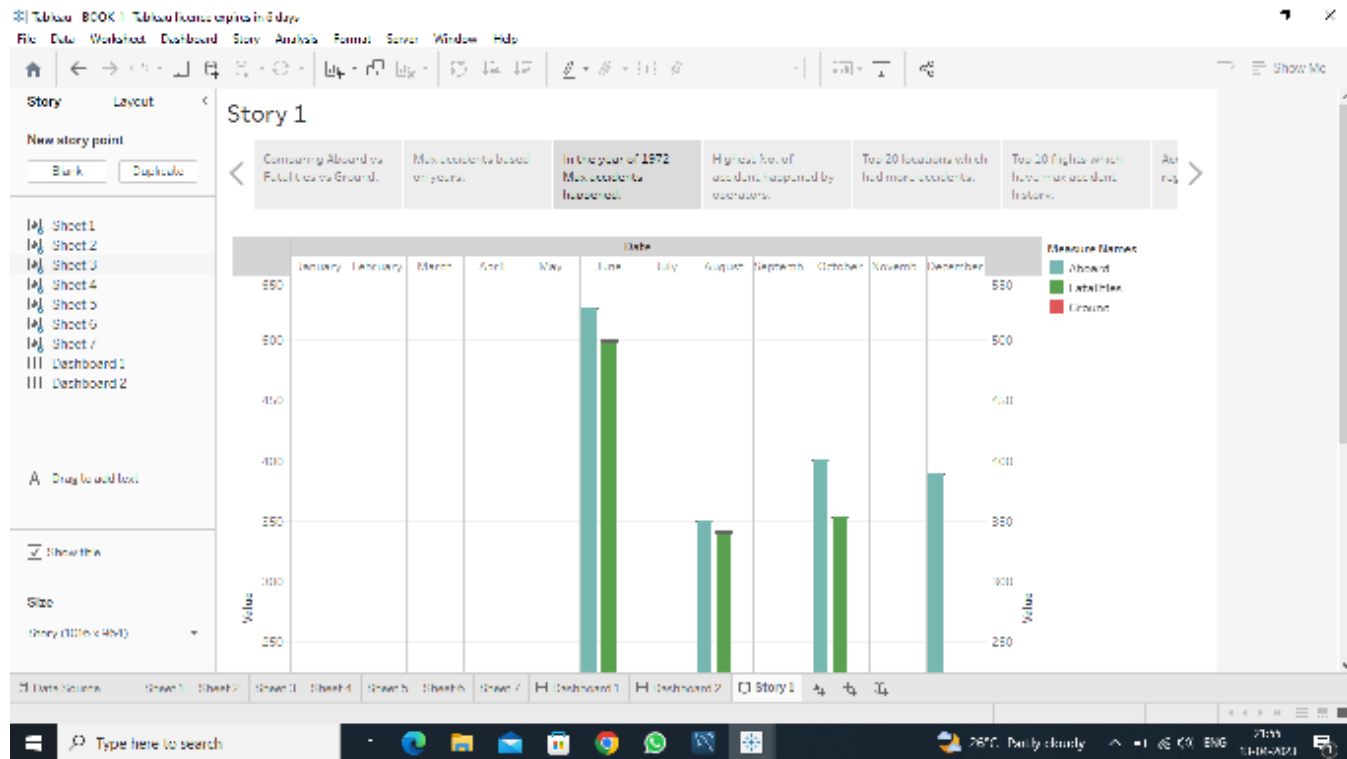


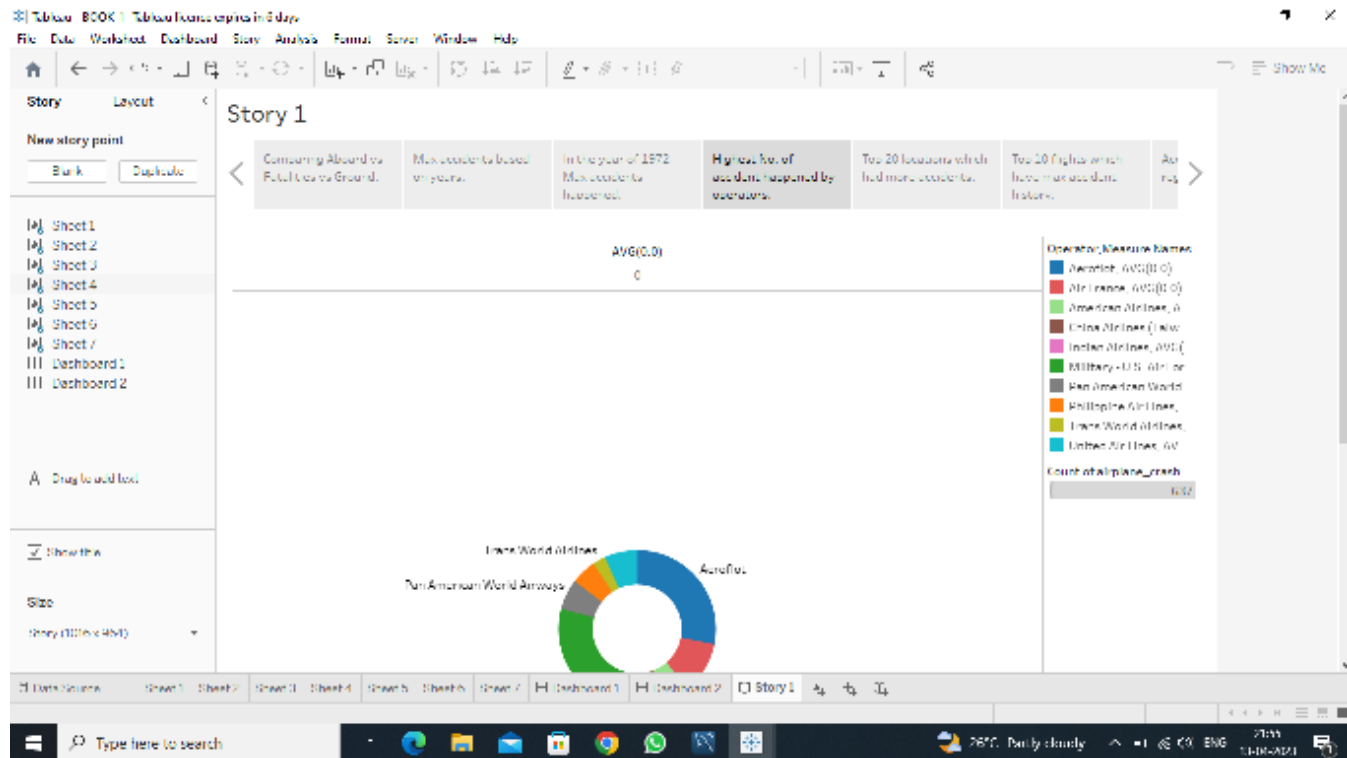


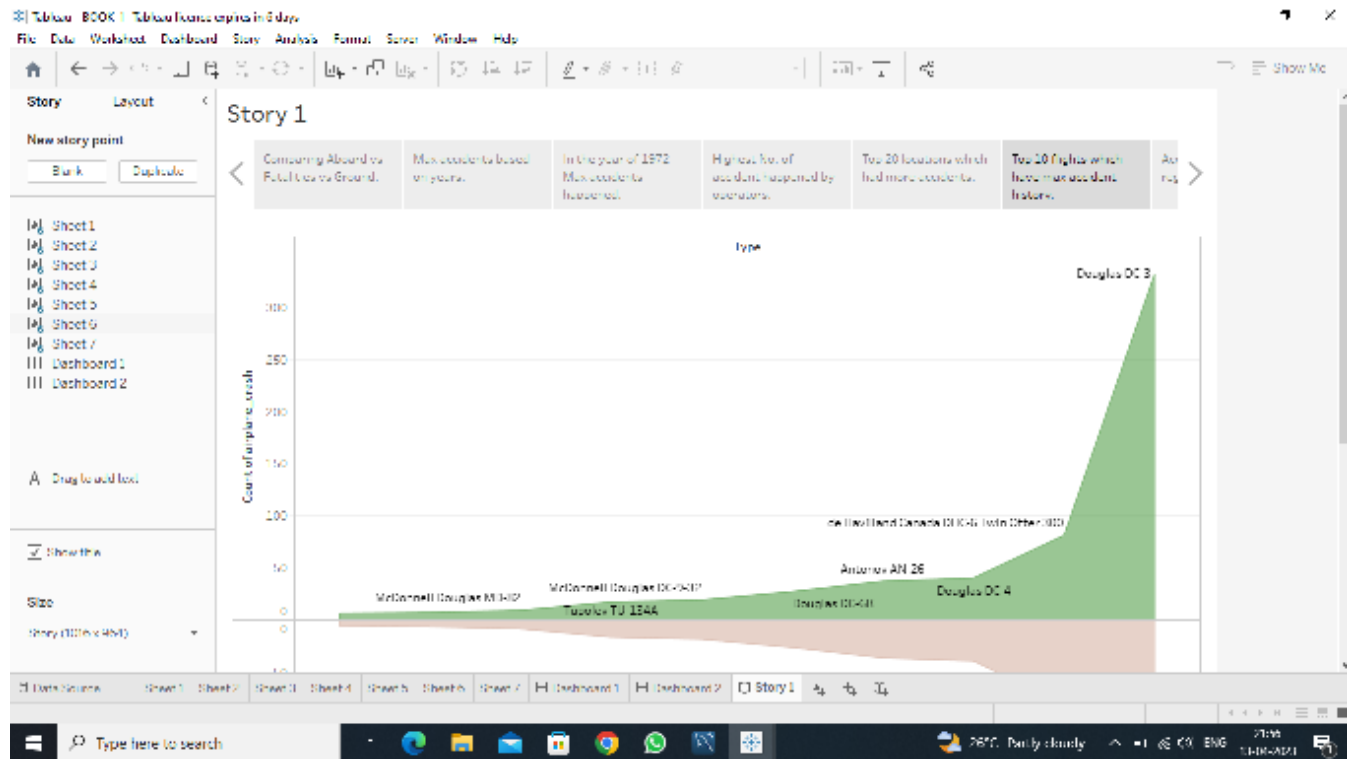
Story

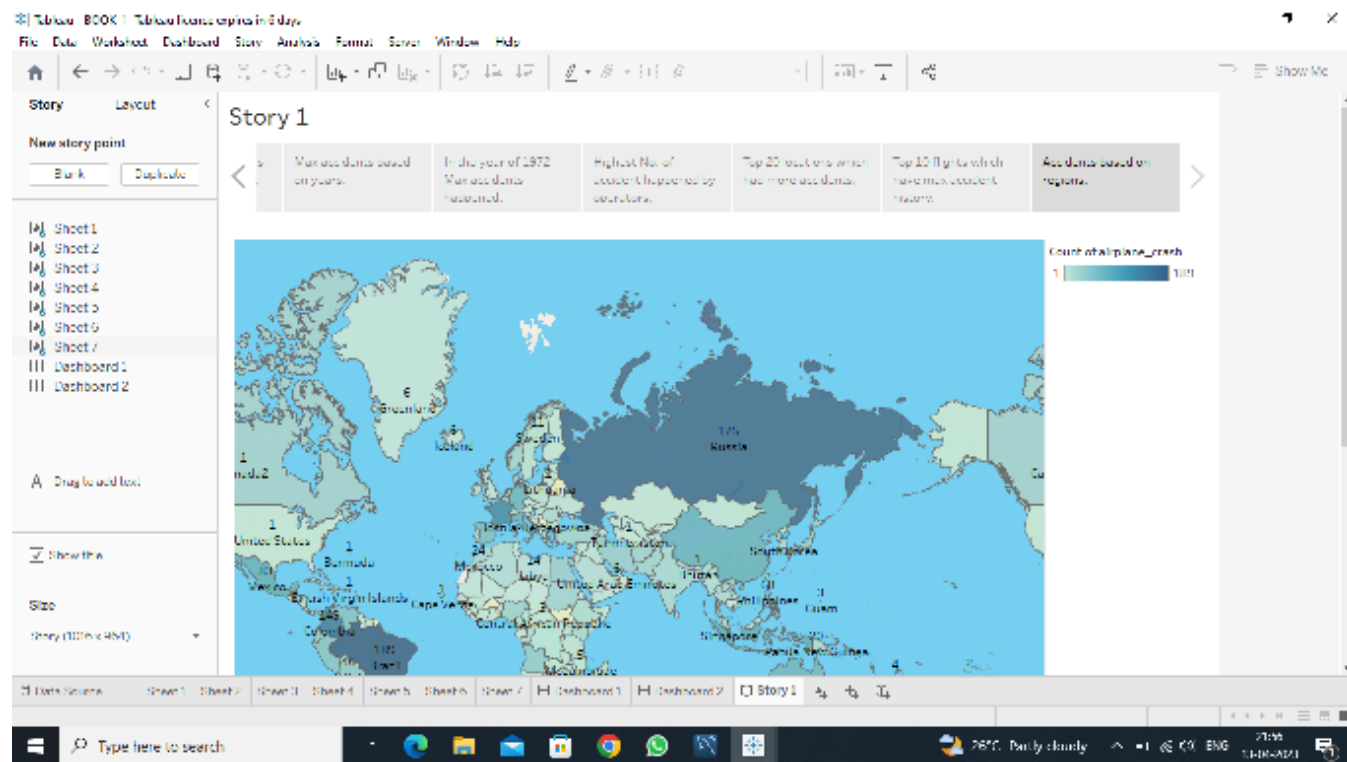












Appendix

Source Code

<!DOCTYPE html>

<html lang="en">

<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,600,600i,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/
```

```
04/15/2023
```

```
* Author: BootstrapMade.com
```

```
</head>
```

```
<body>
```

```
<!-- ===== 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"></a>-->
```

```
<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>
```

```
</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-
```

```
<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>
</div>
<div class="col-lg-6 order-1 order-lg-2 hero-img" data-
aos="zoom-in" data-aos-delay="200">
```

```
<!-- 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>
```

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>

<i class="ri-check-double-line"></i> a) a person is fatally or seriously injured,

<i class="ri-check-double-line"></i> b) the aircraft sustains significant damage or structural failure, or

<i class="ri-check-double-line"></i> c) the aircraft goes missing or becomes completely inaccessible.

This dataset includes:

<i class="ri-check-double-line"></i> 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)

<i class="ri-check-double-line"></i> All cargo, positioning, ferry and test flight fatal accidents.

<i class="ri-check-double-line"></i> All military transport accidents with 10 or more fatalities.

<i class="ri-check-double-line"></i> All commercial and military helicopter accidents with greater than 10 fatalities.

```
</div>
```

```
</div>
```

```
</div>
```

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

```
<!-- ===== Cta Section ===== -->
```

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

```
<div class="container" data-aos="zoom-in">
```

```
</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>
```

```
<!-- ===== 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='viz1681521229274'
      style='position: relative'><noscript><a href='#'><img
        alt='Story 1 ' src='https://public.tableau.
        com/static/images/BOOK-1Story#47:
        04/15/2023 44
```

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

```
<div class="phone">  
  <i class="bi bi-phone"></i>  
  <h4>Call:</h4>
```

```
<p>+1 5xxx 5xxx8 5xs</p>
```

```
</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>
<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>
  <div class="error-message"></div>
```



```
</div>
```

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

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

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

```
<footer id="footer">
```

```
<div class="footer-newsletter">
```

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

```
</div>
```

```
  </div>
```

```
</div>
```

```
</div>
```

```
<div class="footer-top">
```

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

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

```
<ul>
```

```
  <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
```

```
</ul>
```

```
</div>
```

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

```
<h4></h4>
```

```
<ul>
```

```
</ul>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
<div class="container footer-bottom clearfix">
```

```
<div class="copyright">
```

```
</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>
```

THANK YOU