

Project Report Template

1 . Introduction

1.1 Overview

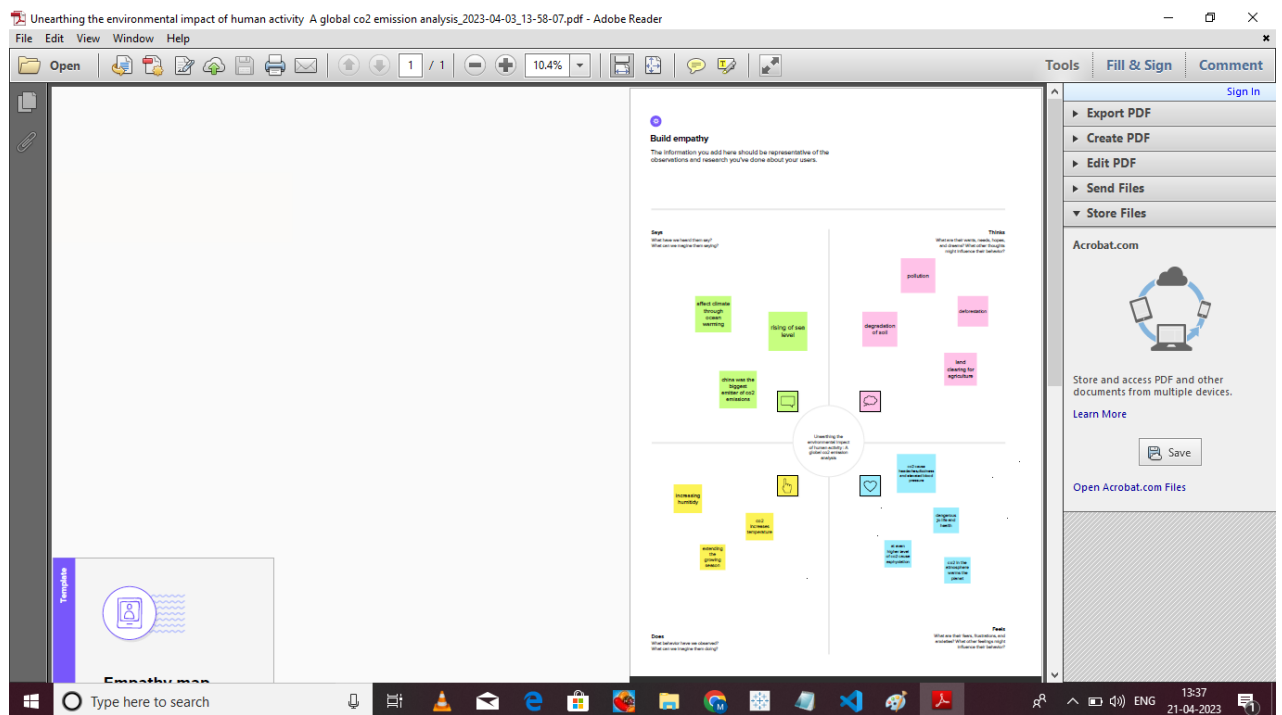
Global warming is one of the biggest challenges currently being faced by the human race, although correlation is not causation, a likely cause of global warming is due to increased atmospheric Carbon dioxide from human activities. **co2 emission** refers to the co2 emitted throughout the world. For this analysis we will be focussing on co2 emission and its effect on the world we live in as well as some key factors and stats that may play a role in the emission of Co2 globally. Fossil fuel use is the primary source of co2.

1.2 Purpose

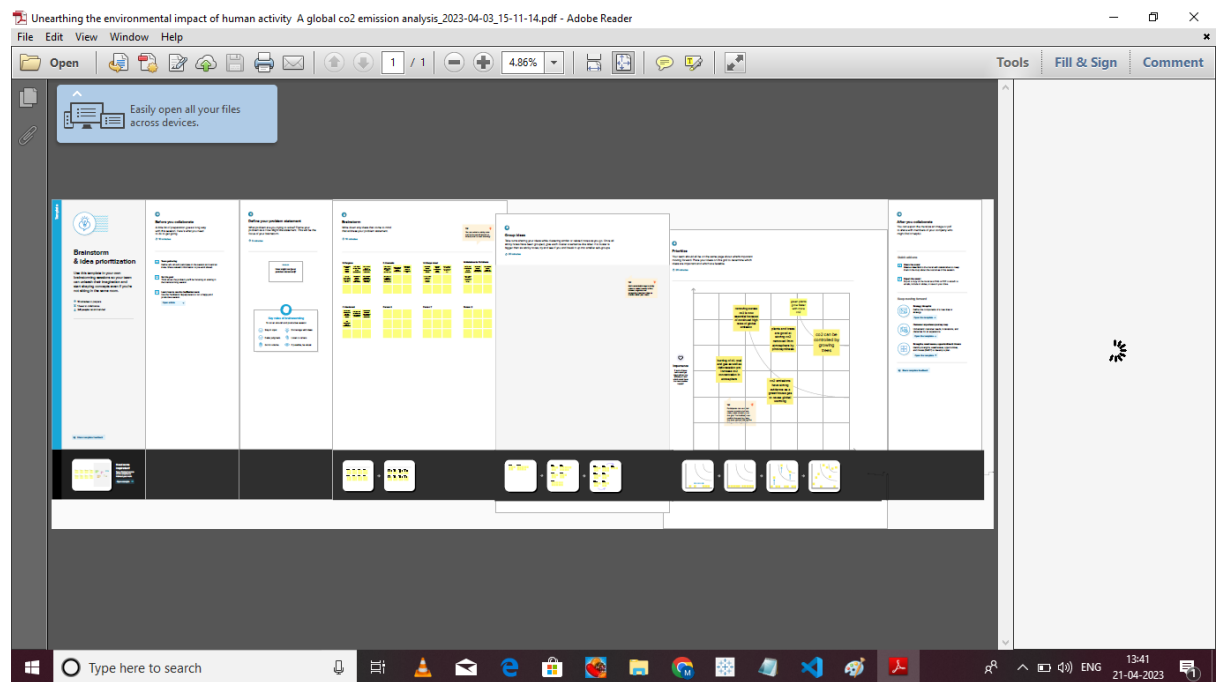
Analysing global co2 emission across countries from 1975 to 2020. this data set contains a record of co2 emission by each country and region of earth ,here we are going to analyse and visualise country wise ,region wise and overall co2 emission on earth.

2 . Problem Definition & Design Thinking

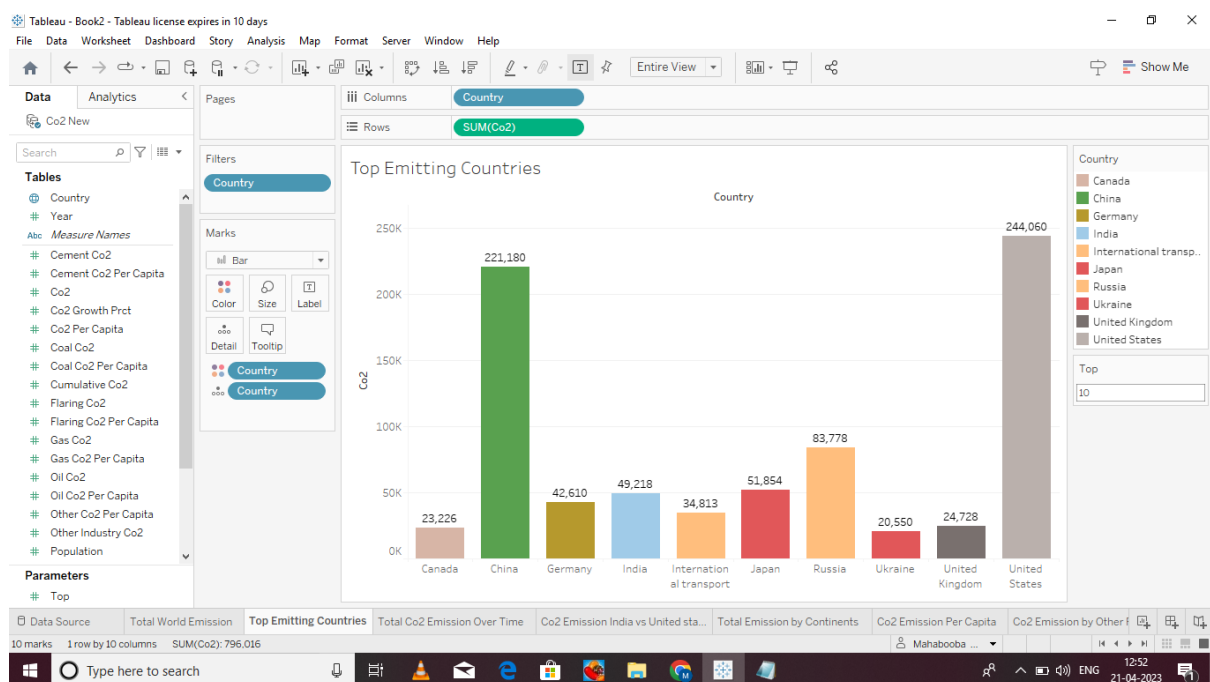
2.1 Empathy Map

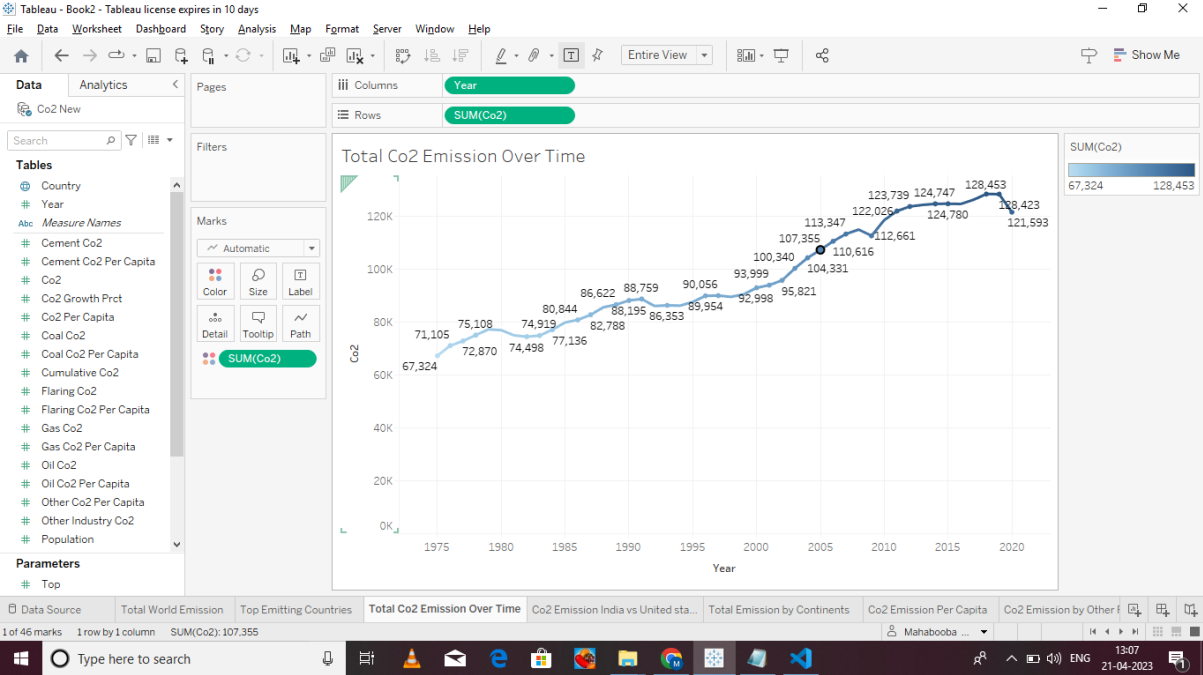


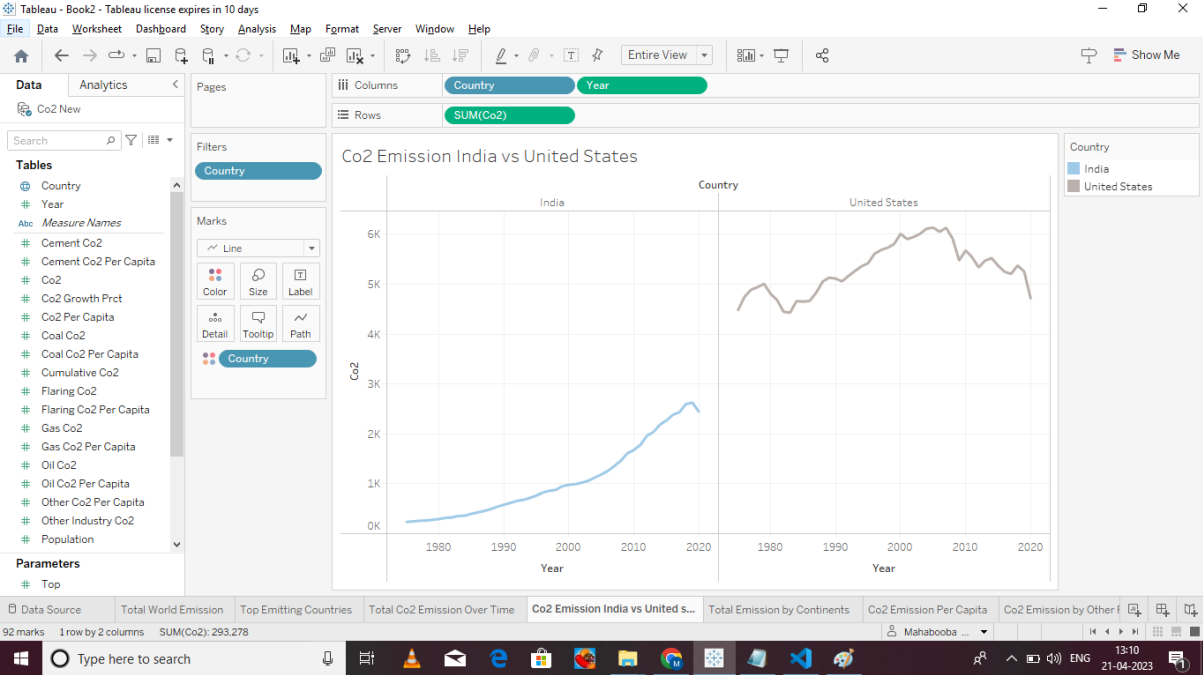
2.2 Ideation & Brainstorming Map

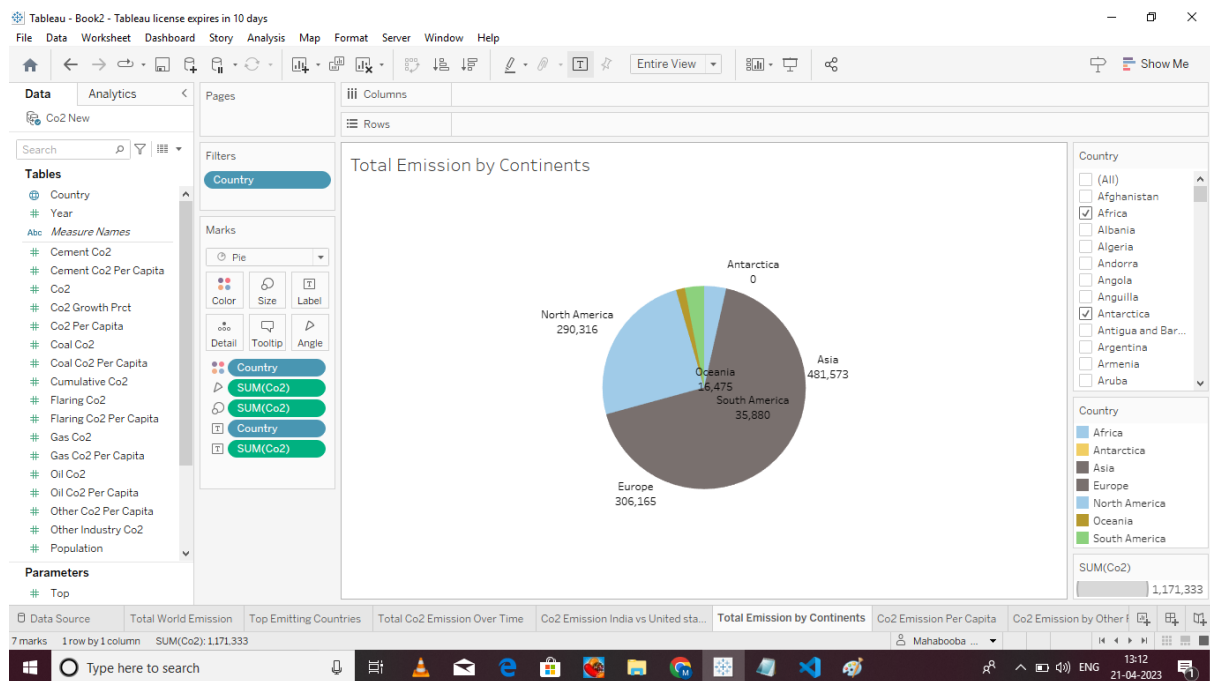


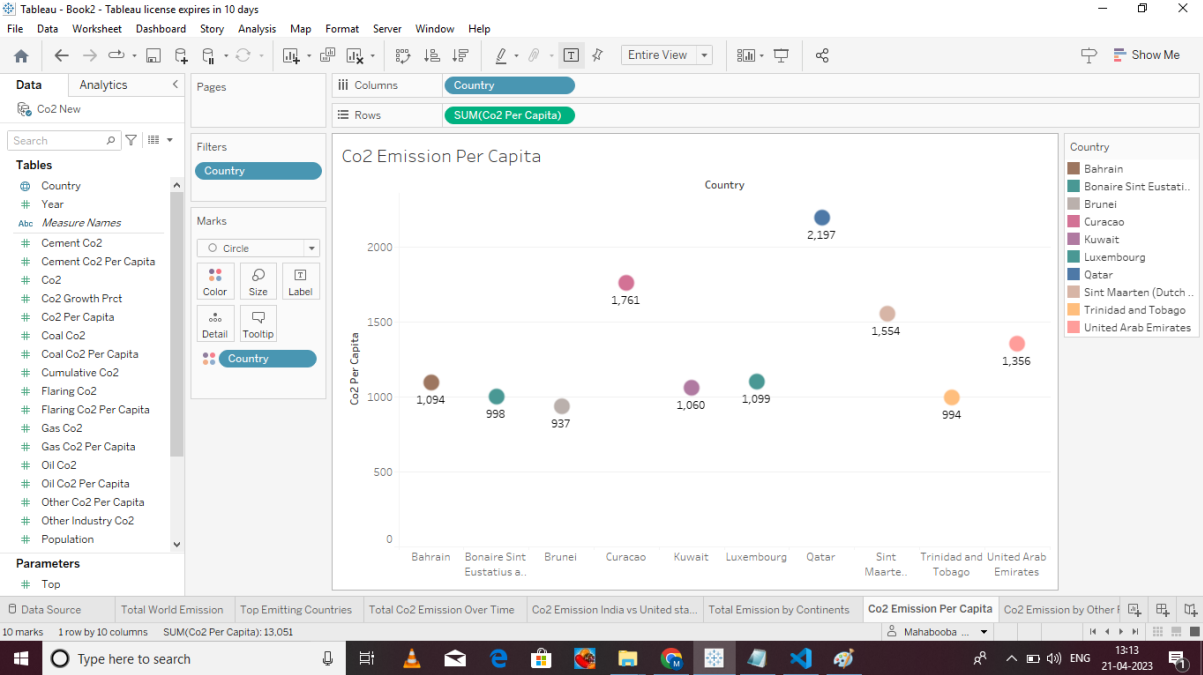
3. Result

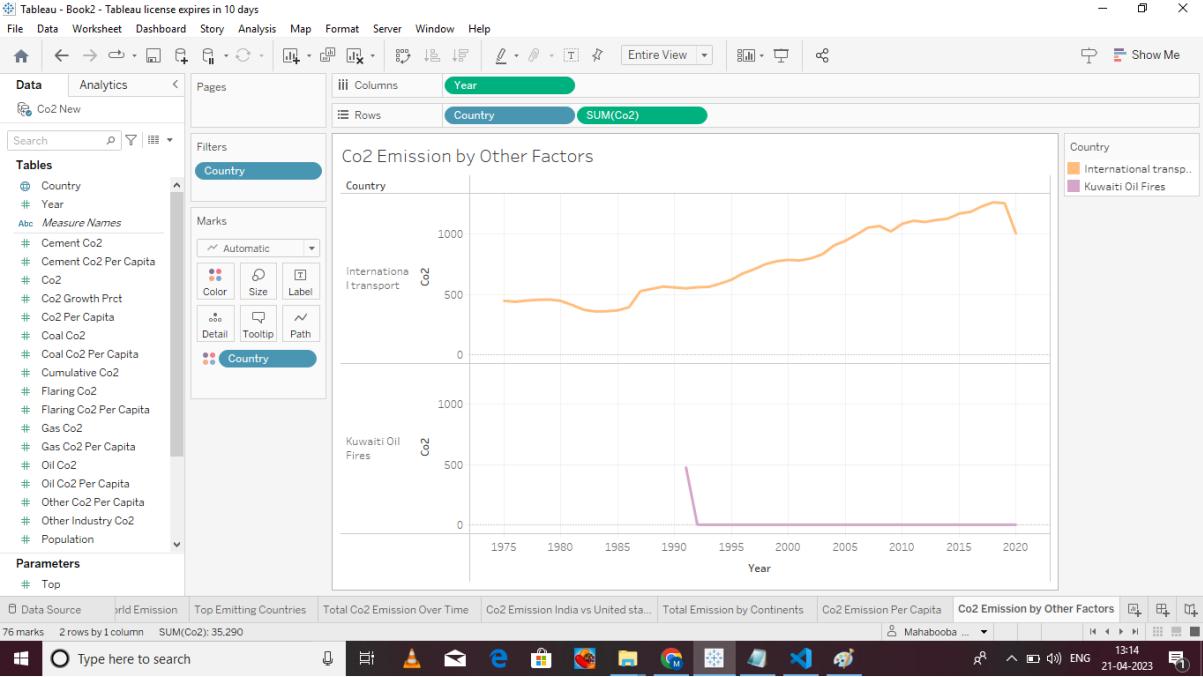


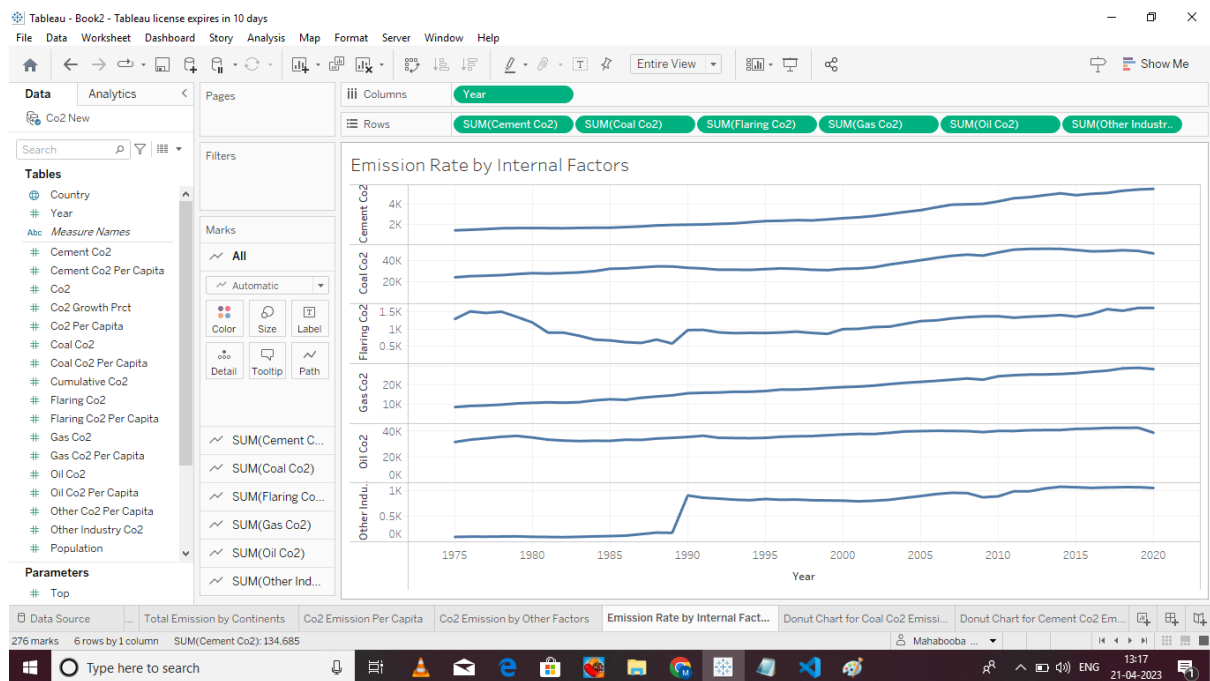


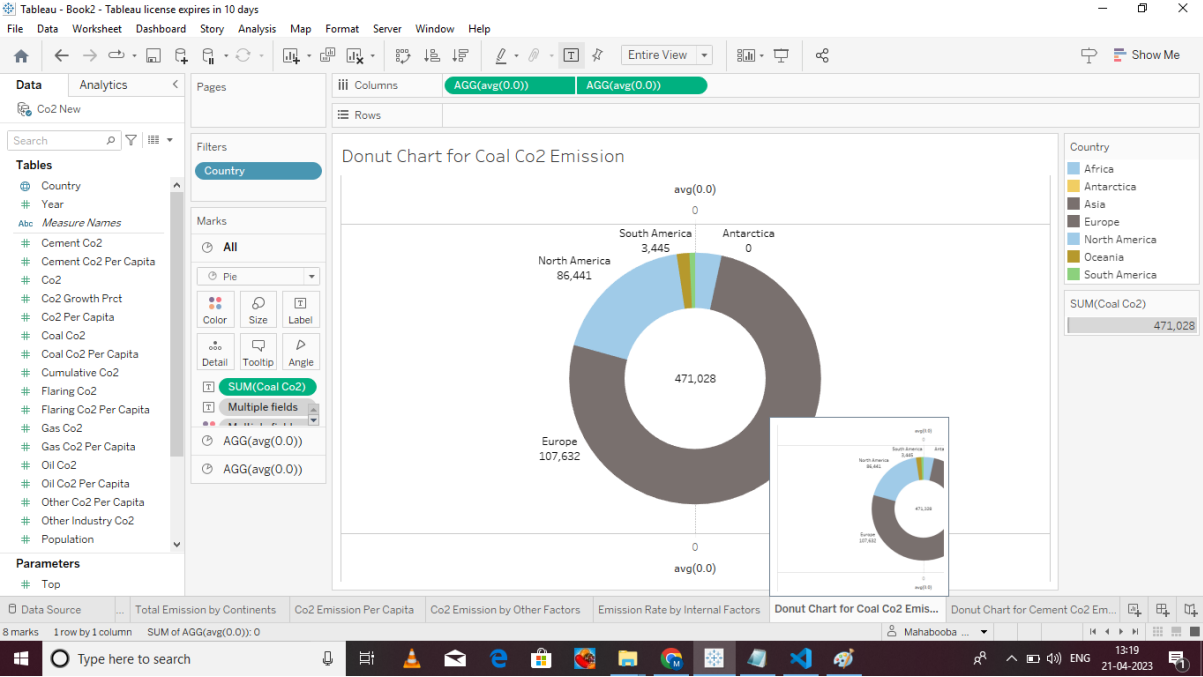


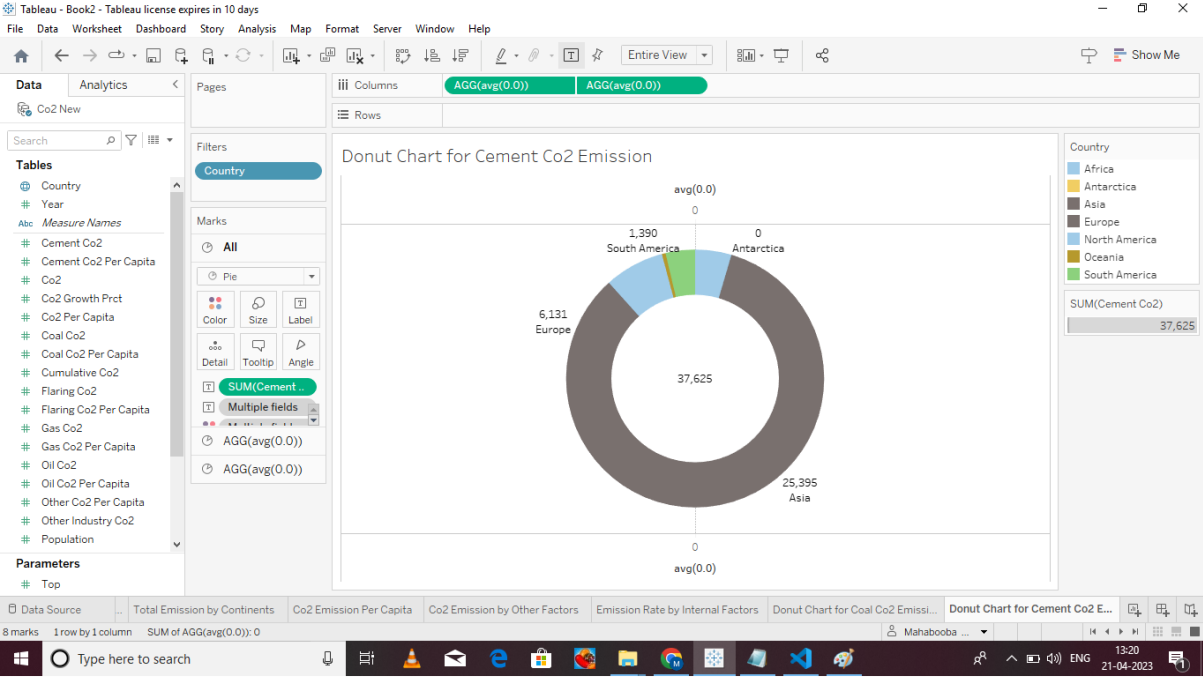


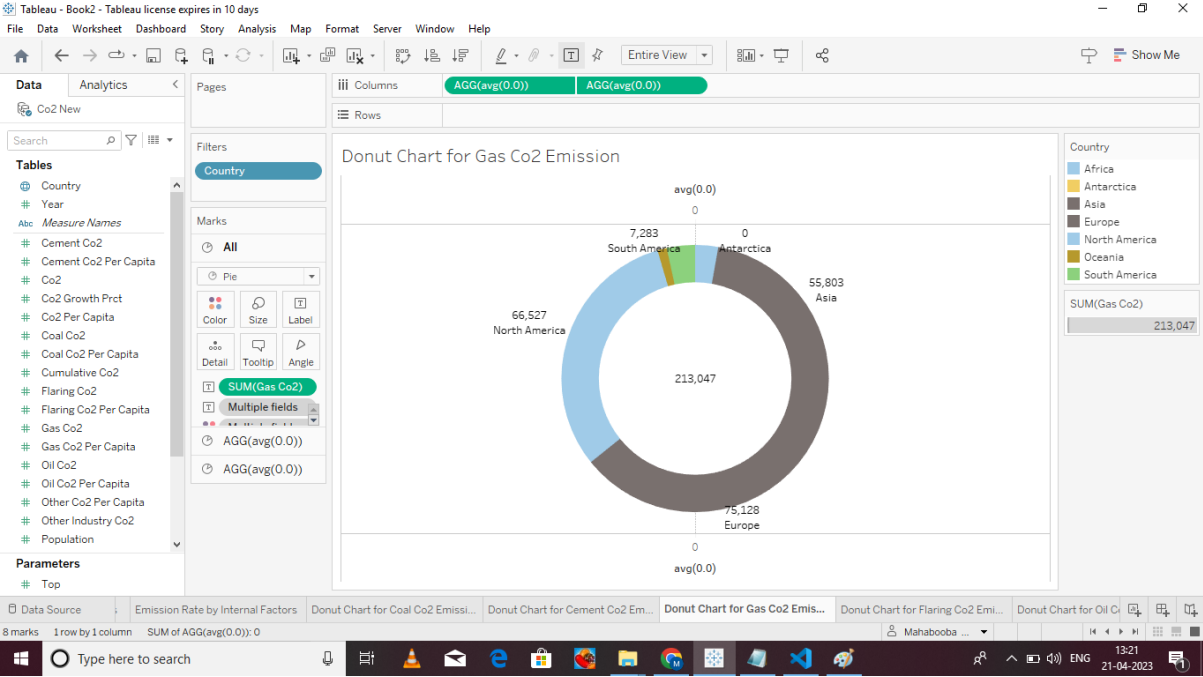


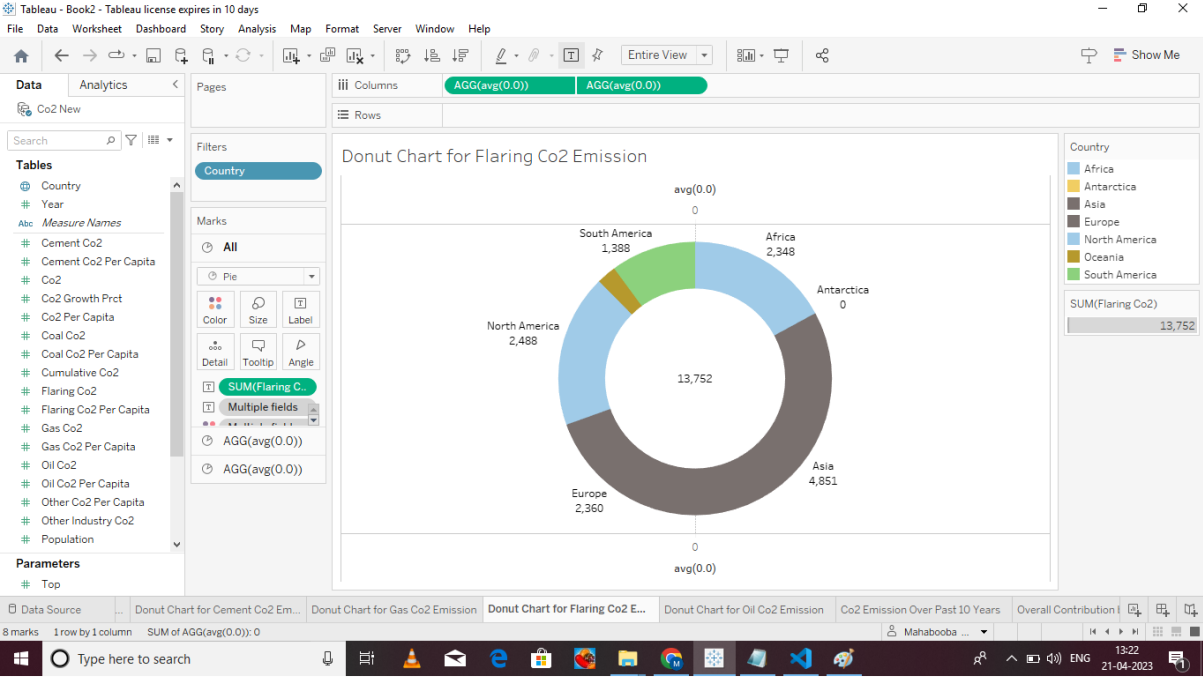


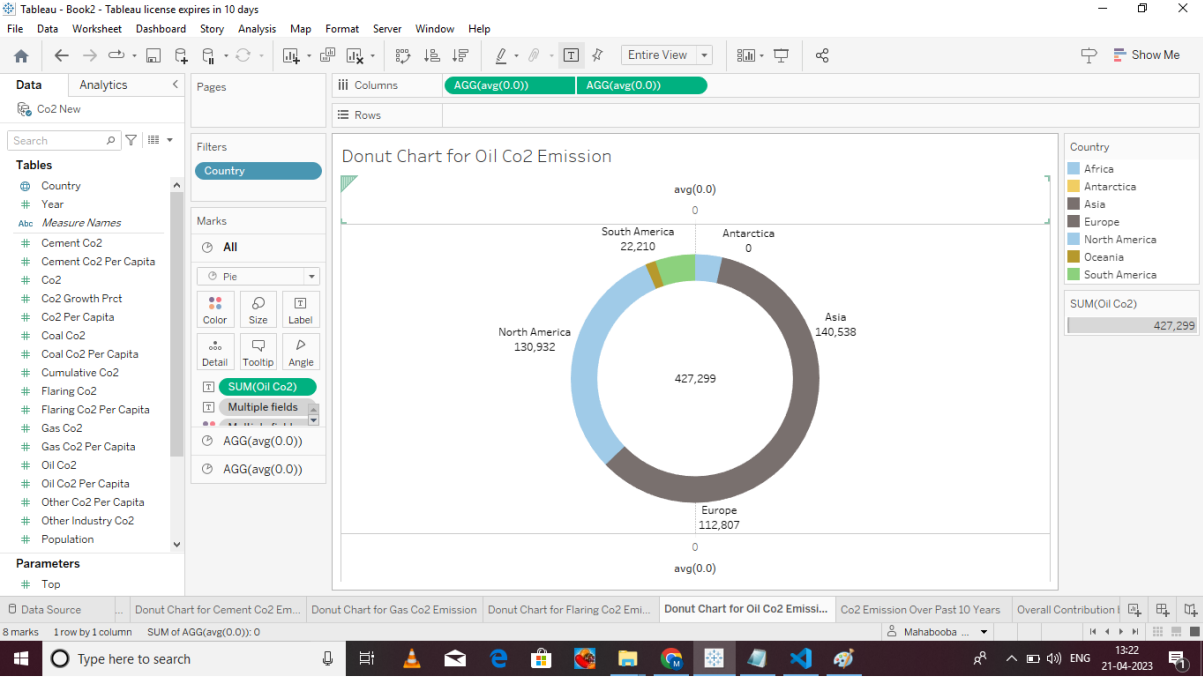


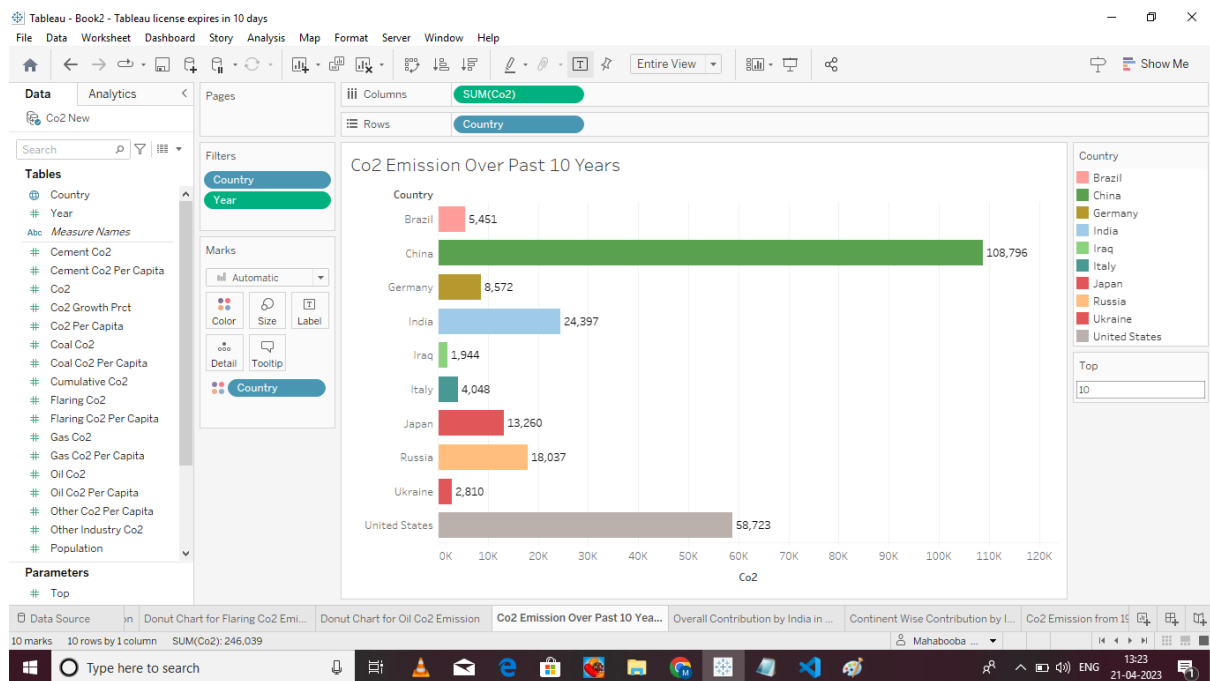


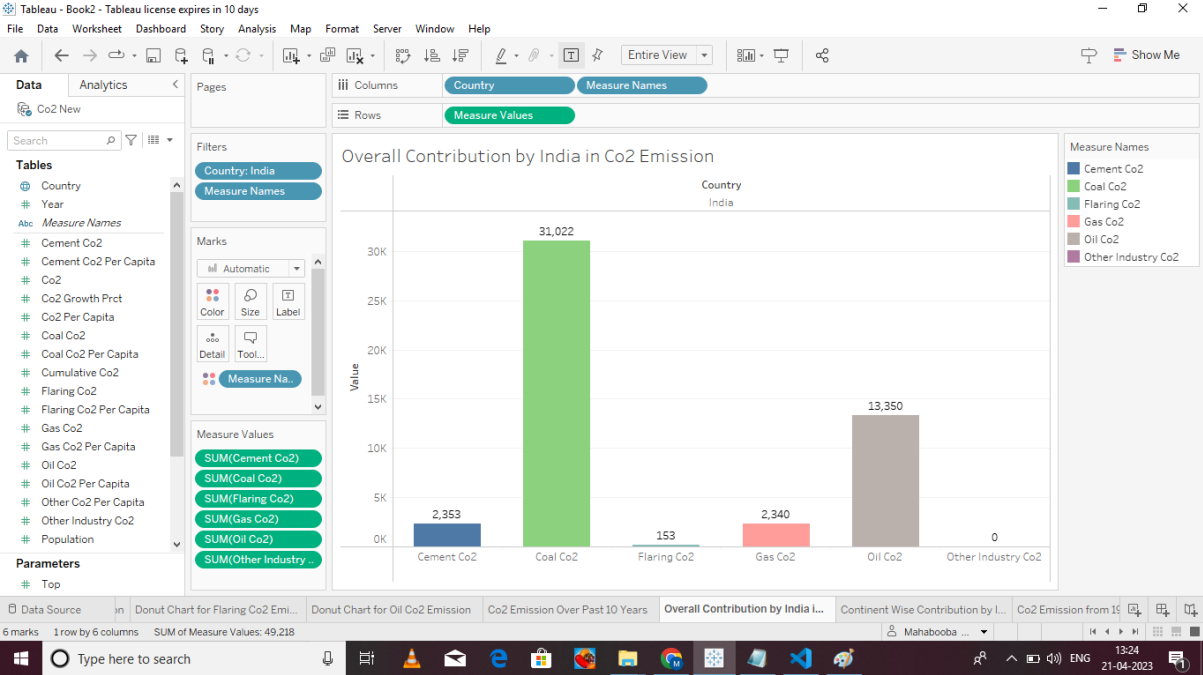


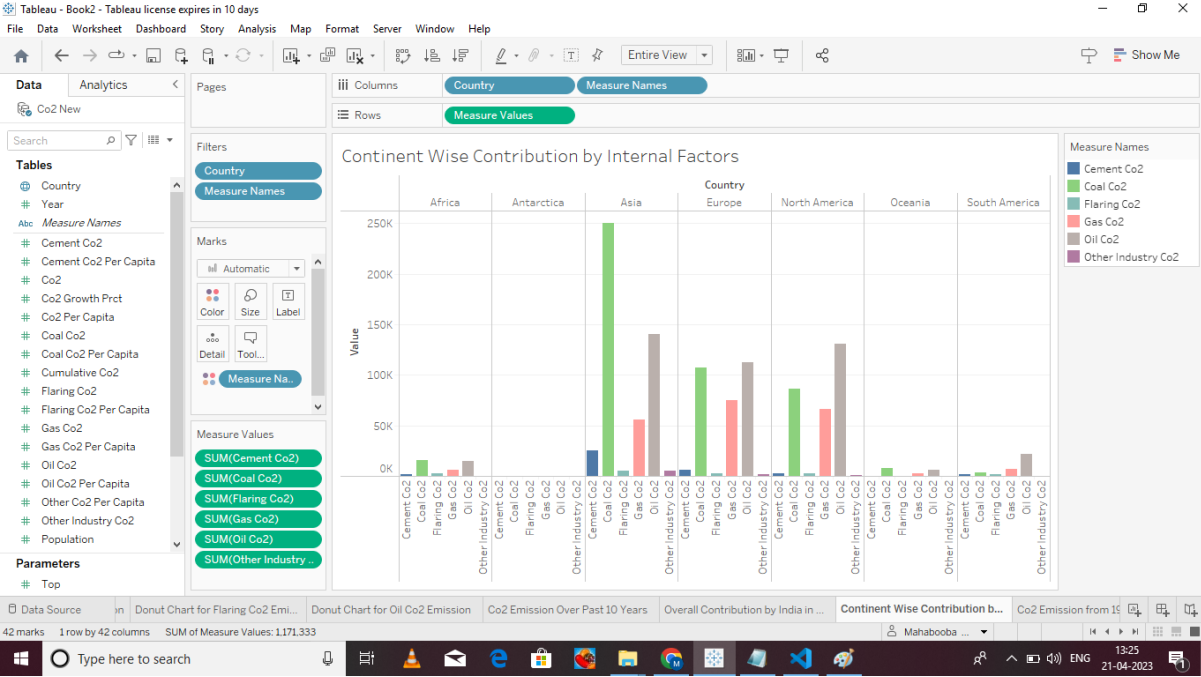


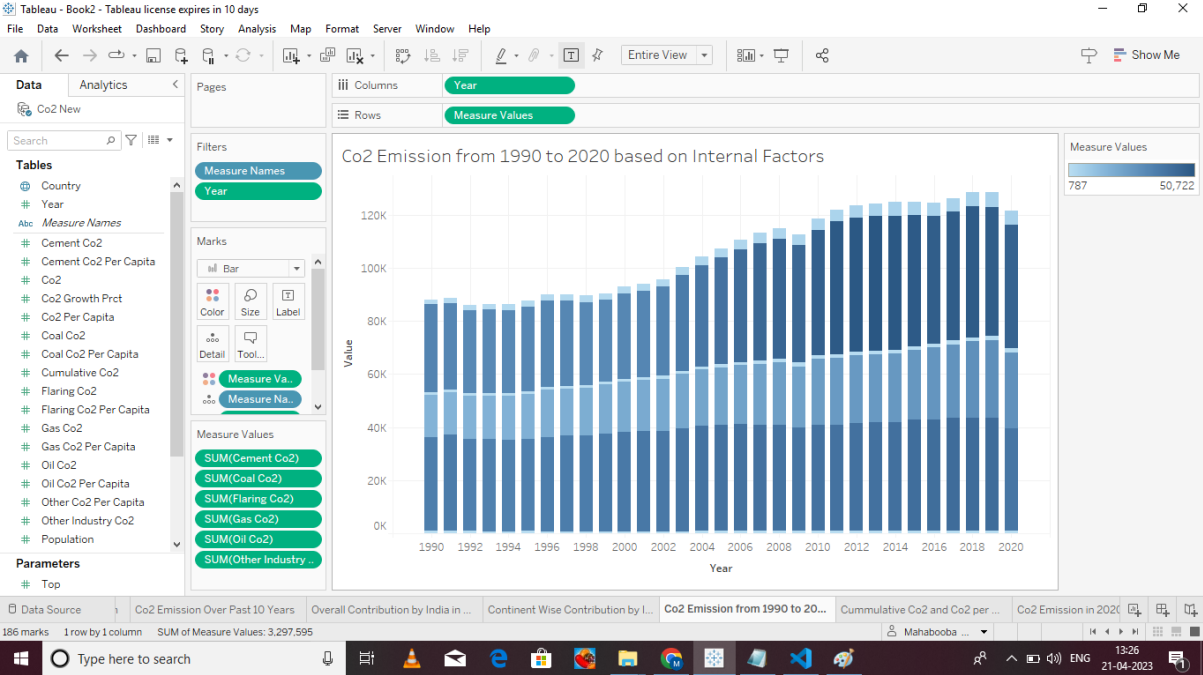


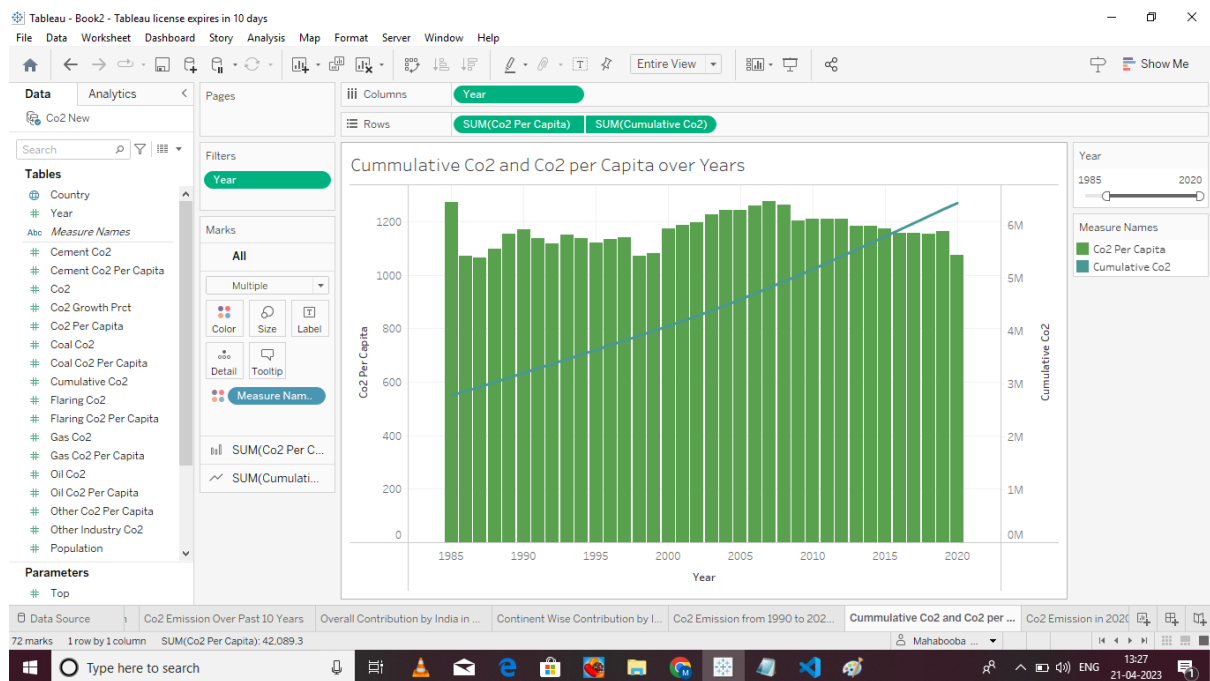


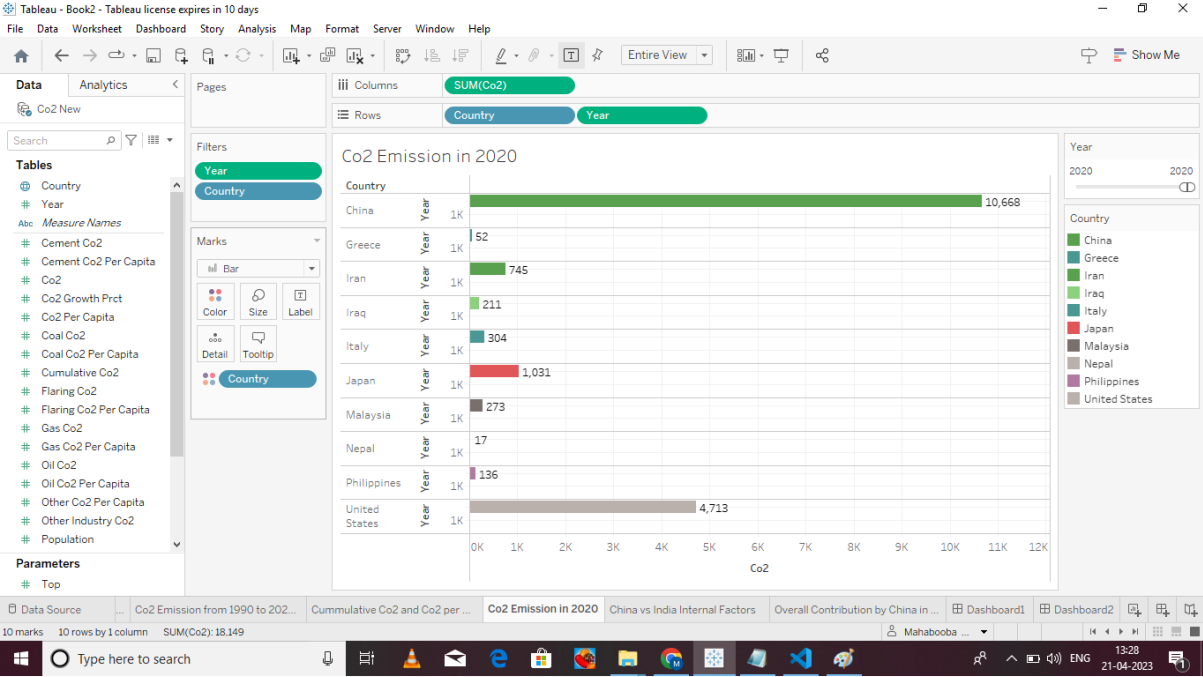


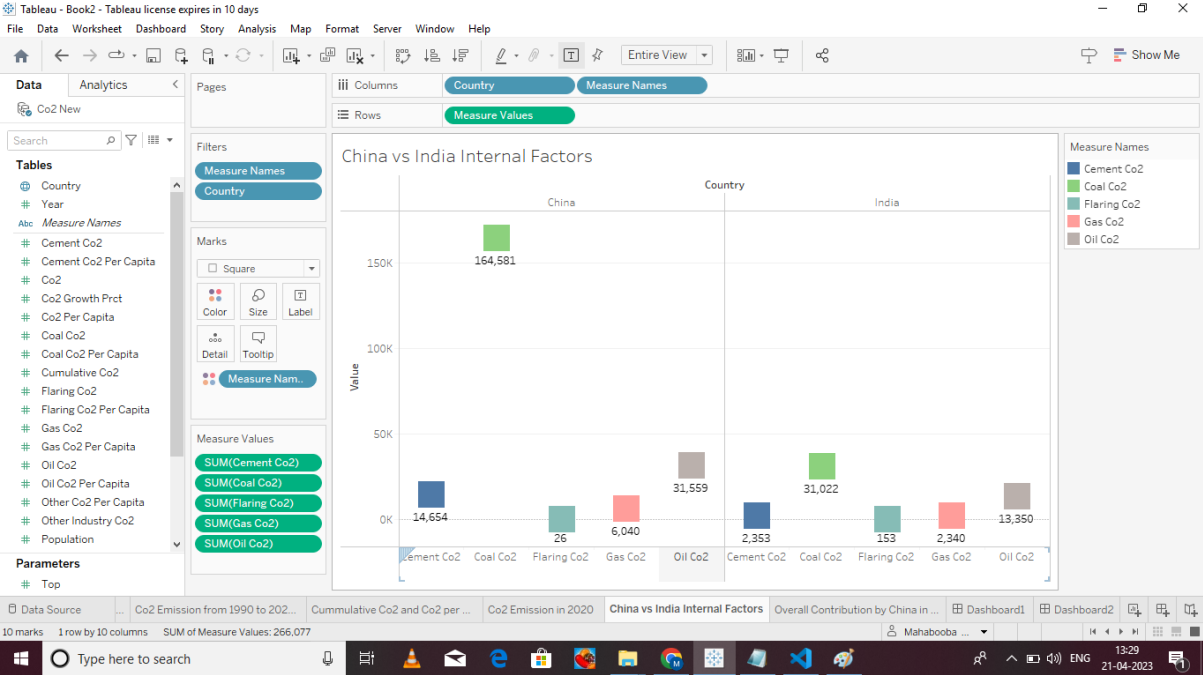


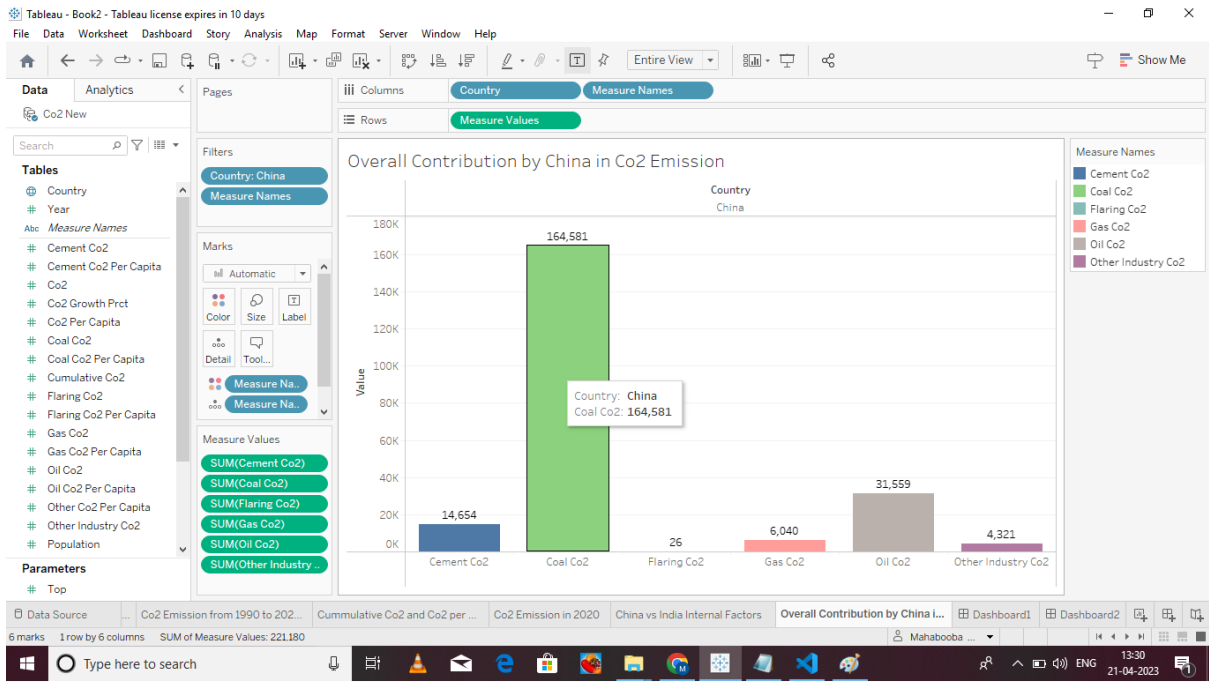


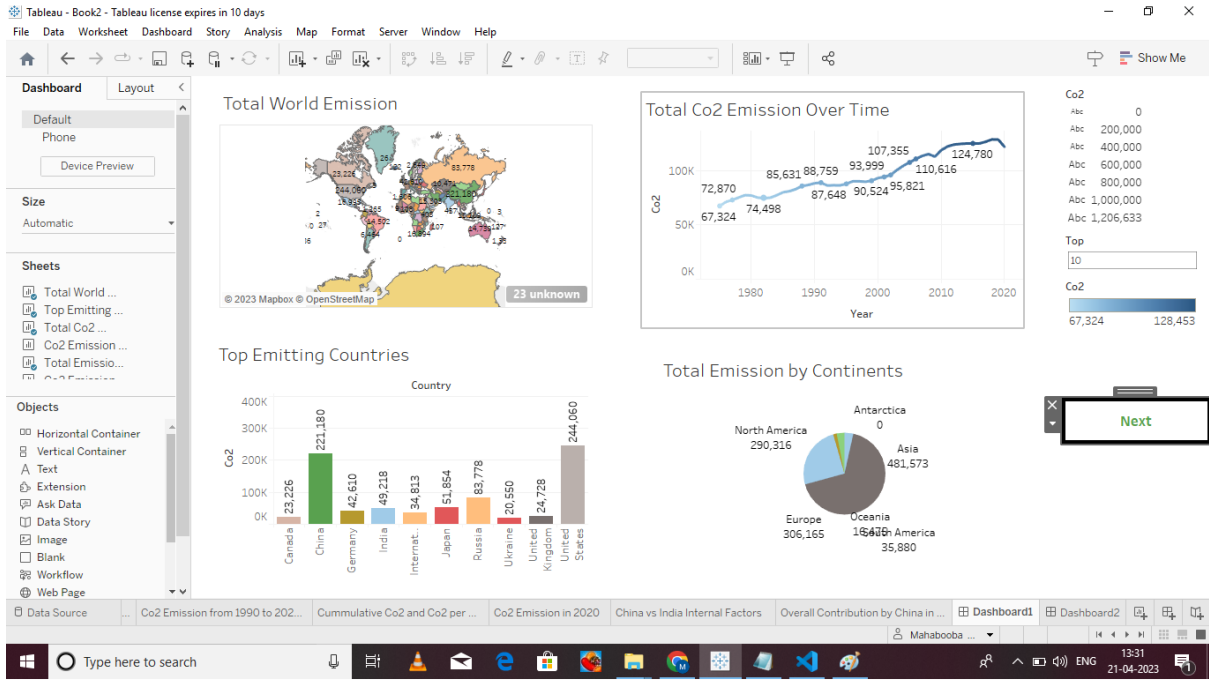


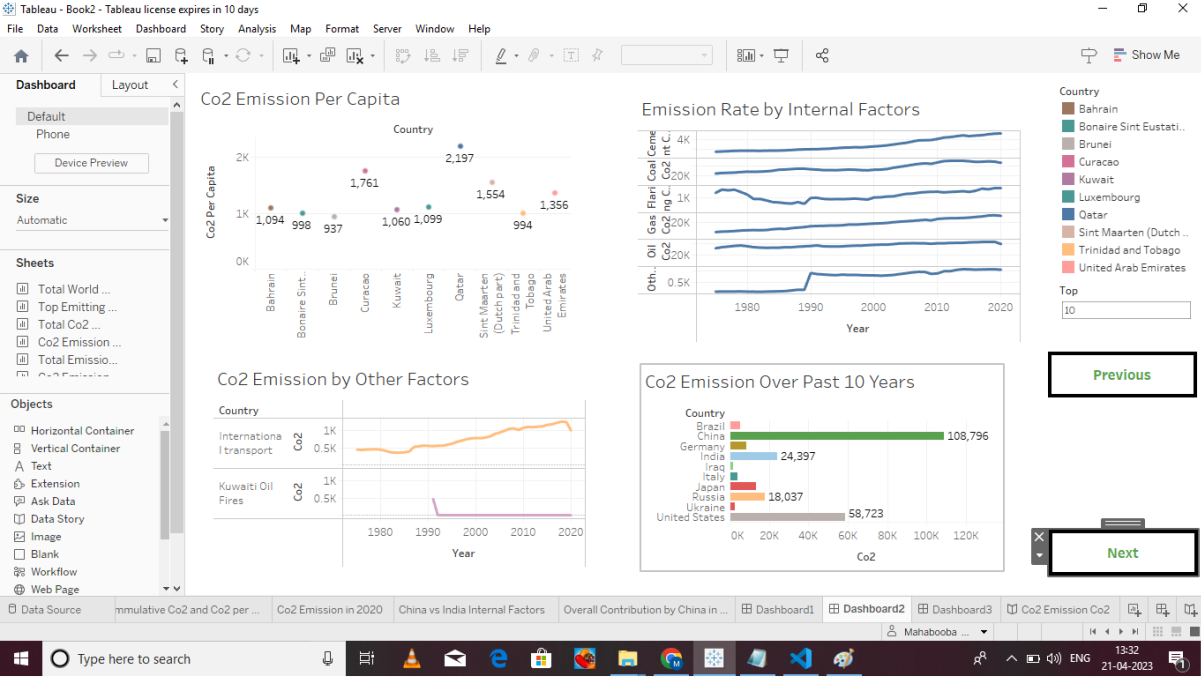


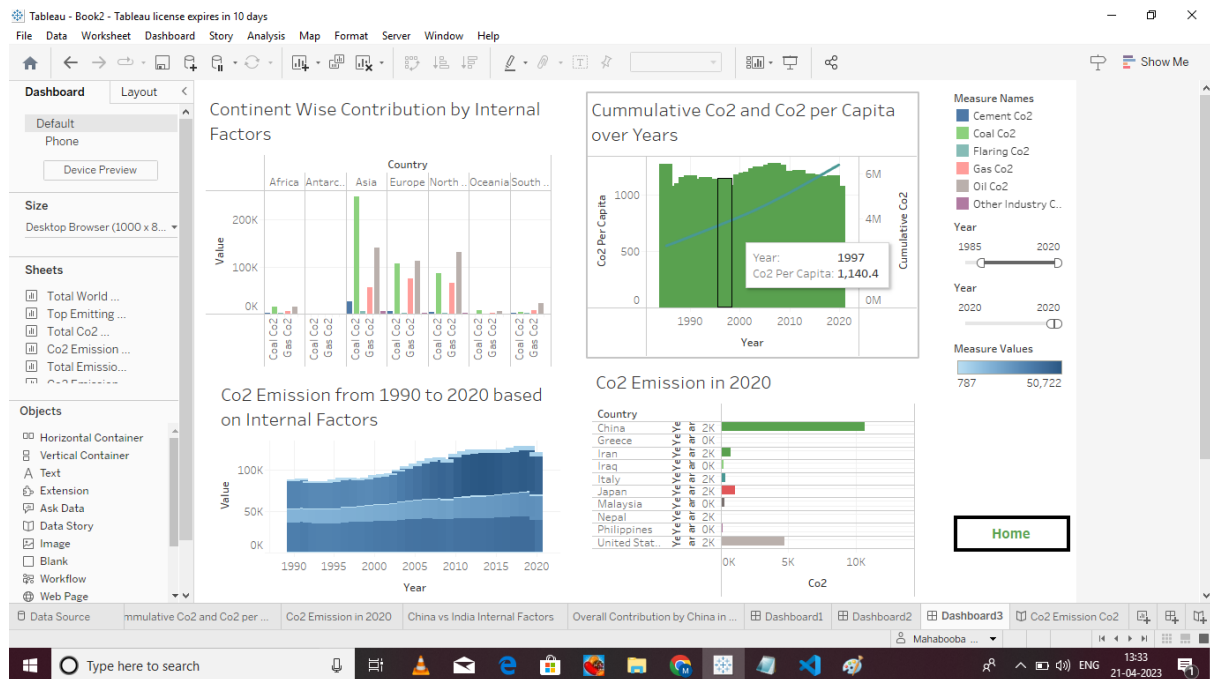












4. Advantages & Disadvantages

Social impact : co2 emissions are the primary driver of global climate change. It is widely recognised that to avoid the worst impacts of climate change, the world needs to urgently reduce emissions.

business impact: by conducting an analysis the countries can identify areas for improvement and take steps to reduce factors that are responsible for co2 emission for environmental sustainability by improving the efficiency and transitioning to low carbon alternatives.

5.Application

The business requirements for analysing the co2 emission globally over time, identifying affecting factors, creating interactive dashboards and reports, identifying areas for improvement, making data-driven decisions, comparing to countries average and creating forecasting models for future performance.

6. Conclusion

Conducting an analysis the countries can identify areas for improvement and take steps to reduce factors that are responsible for co2 emission for environmental sustainability by improving the co2 emission.

7. Future Scope

Companies will need to cut emissions across all three scopes to meet internationally agreed targets on global warming.

Scope three emissions are usually the hardest to measure and tackle, as they cover those produced by customers using the company's products.

8. 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>Global Co2 Emission Analysis</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,400,40
0i,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 - v4.10.0
* Template URL:
https://bootstrapmade.com/arsha-free-bootstrap-html-template-corporate/
* Author: BootstrapMade.com
* License: https://bootstrapmade.com/license/
===== -->
</head>

<body>

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

            <h1 class="logo"> </h1>

            <!-- Uncomment below if you prefer to use an image logo -->
            <!-- <a href="index.html" class="logo me-auto"></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="#dash">Dashboard</a></li>
        <li><a class="nav-link scrollto"
href="#services">Story</a></li>
        <li><a class="nav-link scrollto"
href="#portfolio">Visualizations</a></li>
        <li><a class="nav-link scrollto"
href="#report">Report</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">
        <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>Welcome to Global Co2 Emission Analysis for
Year 2020</h1>
                <h2>Carbon dioxide emissions are the primary driver
of global climate change. It's widely recognised that to avoid the
worst impacts of climate change, the world needs to urgently reduce
emissions.</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/watch?v=jDDaplaOz7Q" class="lightbox
btn-watch-video"></a>
    </div>
</div>
<div class="col-lg-6 order-1 order-lg-2 hero-img"
data-aos="zoom-in" data-aos-delay="200">
    
    </div>
</div>
</div>
</section>
<!-- End Hero -->

<main id="main">

    <!-- ===== Clients Section ===== -->

    <!-- End Cliens Section -->

    <!-- ===== About Us Section ===== -->
    <section id="about" class="about">
        <div class="container">

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

            <div class="row content">
                <div class="col-lg-12">
                    <p>

                        Carbon dioxide emissions are those stemming
from the burning of fossil fuels and the manufacture of cement. They
include carbon dioxide produced during consumption of solid, liquid,
and gas fuels and gas flaring.

                    </p>
                    <p>

```

Global carbon dioxide (CO2) emissions from fossil fuels and industry have increased considerably since 2000, and in 2019 reached a record high of 36.7 billion metric tons of CO2. In 2020, the COVID-19 pandemic caused global CO2 emissions to plummet five percent to 34.81 billion metric tons.</p>

<p> Historically, major global events cause emission reductions. The 2009 global recession caused worldwide CO2 emissions to fall by approximately 460 million metric tons. But this pales in comparison to the emission reductions in

2020. Countries around the world were put under strict lockdowns, meaning transportation and industrial activities were significantly reduced. CO2 emission levels in India dropped for the first time in four decades in the year

ending March 2020. Global CO2 emissions per capita also experienced a substantial decline in 2020, falling to an average of 4.47 metric tons per person.</p>

</div>

</div>

</div>

</section>

<!-- End About Us Section -->

<!-- ===== Why Us Section ===== -->

<section id="dash" class="">

<div class="container-fluid" data-aos="fade-up">

<div class="section-title">

<h2>Dashboard</h2>

</div>

<div class='tableauPlaceholder' id='viz1682061119509' style='position: relative'><noscript></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='Book2_16820608293980/Dashboard1' /><param name='tabs' value='no' /><param name='toolbar' value='yes' /><param name='static_image' value='https://public.tableau.com/static/images/Bo&


```

#47;Book2_16820608293980&#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-GB'
/></object></div>
<script type='text/javascript'>
var divElement = document.getElementById('viz1682061119509');
var vizElement = divElement.getElementsByTagName('object')[0];
if ( divElement.offsetWidth > 800 ) {
vizElement.style.width='100%';vizElement.style.height=(divElement.offse
tWidth*0.75)+'px';} else if ( divElement.offsetWidth > 500 ) {
vizElement.style.width='100%';vizElement.style.height=(divElement.offse
tWidth*0.75)+'px';} else {
vizElement.style.width='100%';vizElement.style.height='1477px';}
var scriptElement = document.createElement('script');
scriptElement.src =
'https://public.tableau.com/javascripts/api/viz_v1.js';
vizElement.parentNode.insertBefore(scriptElement, vizElement);
</script>

</div>

<!-- End Why Us Section -->
<section id="services" class="services">
<div class="container" data-aos="fade-up">
<div class="section-title">
<h2>Story</h2>
</div>

<div class='tableauPlaceholder'
id='viz1682061394570' style='position: relative'><noscript><a
href='#'><img alt='Co2 Emission Co2 '
src='https:&#47;&#47;public.tableau.com&#47;static&#47;images&#47;Bo&#4
7;Book2_16820608293980&#47;Co2EmissionCo2&#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='Book2_16820608293980&#47;Co2EmissionCo2'
/><param name='tabs' value='no' /><param name='toolbar' value='yes'
/><param name='static_image'

```

```

value='https://public.tableau.com/static/images/Book2_16820608293980/Co2EmissionCo2/1.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-GB'
/><param name='filter' value='publish=yes' /></object></div>
<script type='text/javascript'>                                var divElement =
document.getElementById('viz1682061394570');                                var
vizElement = divElement.getElementsByTagName('object')[0];
vizElement.style.width='100%';vizElement.style.height=(divElement.offsetLeft*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>
</section>

<!-- ===== Skills Section ===== -->

<!-- End Skills Section -->

<!-- End Services Section -->

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

<!-- End Cta Section -->

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

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

        </div>

        <div class="row portfolio-container">

            <div class="col-lg-4 col-md-6 portfolio-item
filter-web">

```

```

        <div class="portfolio-wrap">
            

            <div class="portfolio-info">
                <h4>Image 1 </h4>

                <div class="portfolio-links">
                    <a
href="assets/img/portfolio/p1.jpg" data-gallery="portfolioGallery"
class="portfolio-lightbox" title="Web 3"><i class="bx bx-plus"></i></a>

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

<div class="col-lg-4 col-md-6 portfolio-item
filter-web">

    <div class="portfolio-wrap">
        

        <div class="portfolio-info">
            <h4>Image 2 </h4>

            <div class="portfolio-links">
                <a
href="assets/img/portfolio/p1.jpg" data-gallery="portfolioGallery"
class="portfolio-lightbox" title="Web 3"><i class="bx bx-plus"></i></a>

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

<div class="col-lg-4 col-md-6 portfolio-item
filter-web">

    <div class="portfolio-wrap">
        

        <div class="portfolio-info">
            <h4>Image 3 </h4>

            <div class="portfolio-links">

```

```

        <a
href="assets/img/portfolio/p1.jpg" data-gallery="portfolioGallery"
class="portfolio-lightbox" title="Web 3"><i class="bx bx-plus"></i></a>

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

    <div class="col-lg-4 col-md-6 portfolio-item
filter-web">

        <div class="portfolio-wrap">
            

            <div class="portfolio-info">
                <h4>Image 5</h4>
                <div class="portfolio-links">
                    <a
href="assets/img/portfolio/p5.jpg" data-gallery="portfolioGallery"
class="portfolio-lightbox" title="Web 3"><i class="bx bx-plus"></i></a>
                </div>
            </div>
        </div>
    </div>

    <div class="col-lg-4 col-md-6 portfolio-item
filter-web">

        <div class="portfolio-wrap">
            

            <div class="portfolio-info">
                <h4>Image 6</h4>
                <div class="portfolio-links">
                    <a
href="assets/img/portfolio/p5.jpg" data-gallery="portfolioGallery"
class="portfolio-lightbox" title="Web 3"><i class="bx bx-plus"></i></a>
                </div>
            </div>
        </div>
    </div>

    <div class="col-lg-4 col-md-6 portfolio-item
filter-web">

        <div class="portfolio-wrap">

```

```



<div class="portfolio-info">
    <h4>Image 4</h4>
    <div class="portfolio-links">
        <a
href="assets/img/portfolio/p5.jpg" data-gallery="portfolioGallery"
class="portfolio-lightbox" title="Web 3"><i class="bx bx-plus"></i></a>
    </div>
</div>
</div>
</div>

</div>

</div>
</section>
<section id="report" class="skills">
    <div class="container" data-aos="fade-up">
        <div class="section-title">
            <h2>Report</h2>

        </div>
        <div class="row content">
            <div class="col-md-5 order-1 order-md-2"
data-aos="fade-right" data-aos-delay="100">
                
            </div>
            <div class="col-lg-6 pt-4 pt-lg-0 content"
data-aos="fade-left" data-aos-delay="100">
                <h3>Top Co2 Emitting countries for Past 10
Years</h3>

                <br>
                <p class="fst-italic">
                    China is the highest Co2 Emitting
country among the other countries.
                </p>
                <p class="fst-italic">
                    United States is the second highest Co2
Emitting country.
                </p>

```

```

        <p class="fst-italic">
            India is the Third highest Co2 Emitting
country.

        </p>
    </div>
</div>
<br>
<br>

    <div class="row content">
        <div class="col-md-5" data-aos="fade-right">
            
        </div>
        <div class="col-md-7 pt-5"
data-aos="fade-left">
            <h3>Continents Contribution towards Co2
Emission</h3>

            <br>
            <p class="fst-italic">
                Asian is the highest Co2 Emitting
country among the other continents.
            </p>
            <p class="fst-italic">
                Europe is the second highest Co2
Emitting continent.
            </p>
            <p class="fst-italic">
                Antartica is the lowest Co2 Emitting
countries because of low human activity/existence in the continent.
            </p>

        </div>
        <br>
        <br>
    <div class="row content">
        <div class="col-md-5"
data-aos="fade-right">
            
        </div>
        <div class="col-md-7 pt-5"
data-aos="fade-left">

```

```

                                <h3>Overall India Contribution towards
Co2 Emission</h3>

                                <br>
                                <p class="fst-italic">
                                    Coal is the highest factor of Co2
Emission.

                                </p>
                                <p class="fst-italic">
                                    Oil is the second highest Co2
Emitting factor.

                                </p>
                                </div>
                            </div>
                            <div class="row content">
                                <div class="col-md-5 order-1 order-md-2"
data-aos="fade-left">
                                    
                                </div>
                                <div class="col-md-7 pt-5 order-2
order-md-1" data-aos="fade-right">
                                    <h3>Overall Co2 Emission over time
</h3>

                                    <br>
                                    <p class="fst-italic">
                                        Co2 Emission in 1975 was 67324 (in
metric tons).

                                    </p>
                                    <p class="fst-italic">
                                        Co2 Emission in 2019 was 128423 (in
metric tons) which was highest in the past years.

                                    </p>
                                    <p class="fst-italic">
                                        Co2 Emission in 2020 was found to
be 121593 (in metric tons).

                                    </p>
                                </div>
                            </div>
                        </div>
                    </div>

```

```

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

<!-- ===== Team Section ===== -->

<!-- End Team Section -->

<!-- ===== Pricing 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>SmartBridge,
Hyderabad,AndhraPradesh, India</p>
          </div>

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

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

```



```

                                <p>+11 1234 1234<br>+11 4321
4321</p>

                                </div>

                                </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>
                                            <div class="error-message"></div>
                                            <div class="sent-message">Your
                                message has been sent. Thank you!</div>
                                        </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-top">
        <div class="container">

            </div>
        </div>

        <div class="container footer-bottom clearfix">
            <div class="copyright">
                &copy; Copyright <strong><span>Arsha</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/">Indra
Prakash</a>

        <div class="social-links mt-3">
            <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>
            <a href="#" class="linkedin"><i class="bx
bxl-linkedin"></i></a>
        </div>
    </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>
```