**Plugging into the Future :**

**An Exploration of Electricity Consumption Patterns**

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Our Team :

* Muthumarasi M
* Divya I
* Rohini M
* Santhana Muthulakshmi V
*  Project Report Template

1. **INTRODUCTION** 
   1. **Overview**

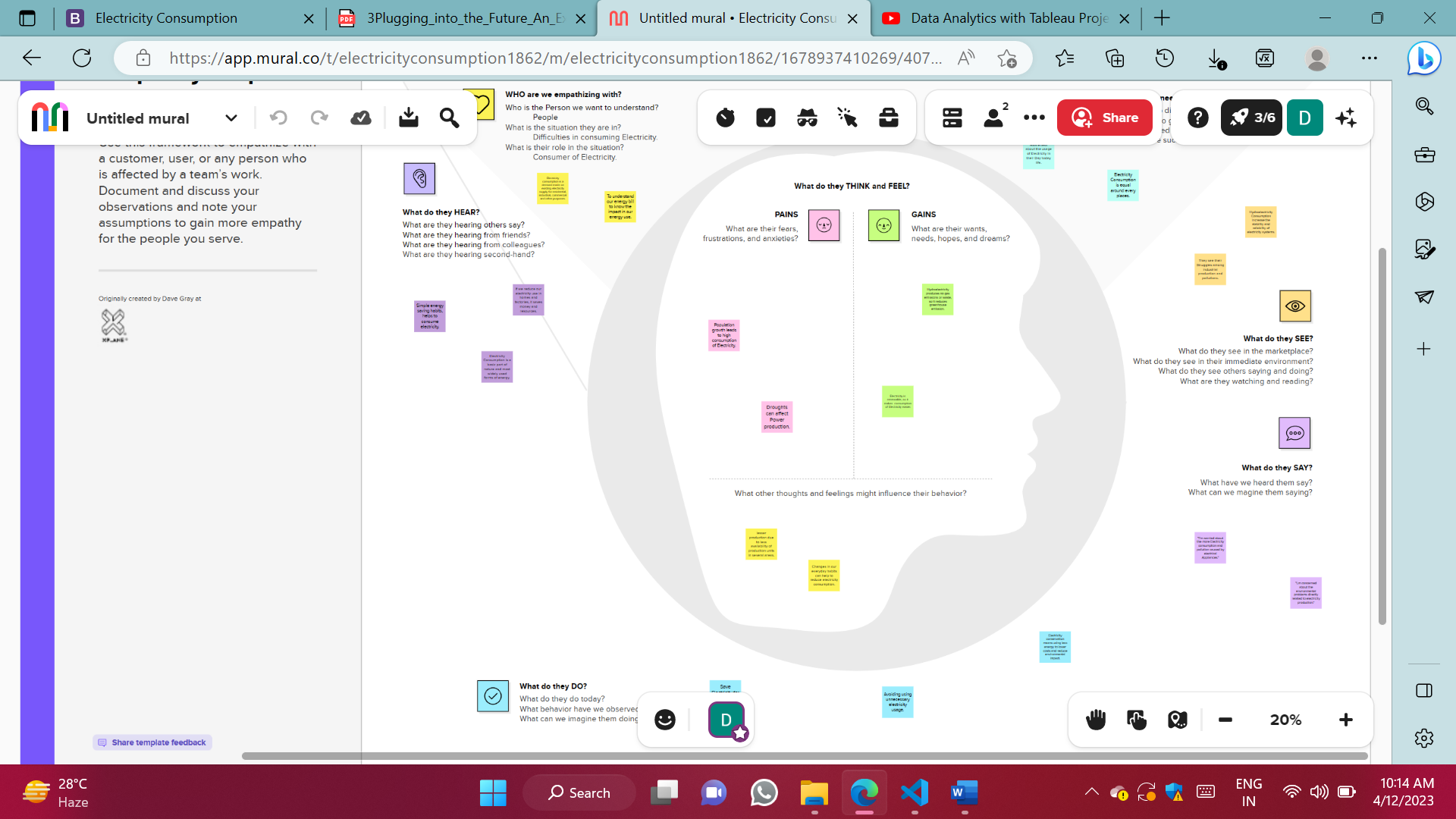
India is the world's third-largest producer and third-largest consumer of electricity. India has national electric grid and renewable power plants. In the COVID-19 situation, when everyone has been under lockdown, the impacts have been faced by every sector in a positive or a negative way. Here we Analyse the Electricity Consumption in India from January 2019 till 5th December 2020

* 1. **Purpose**

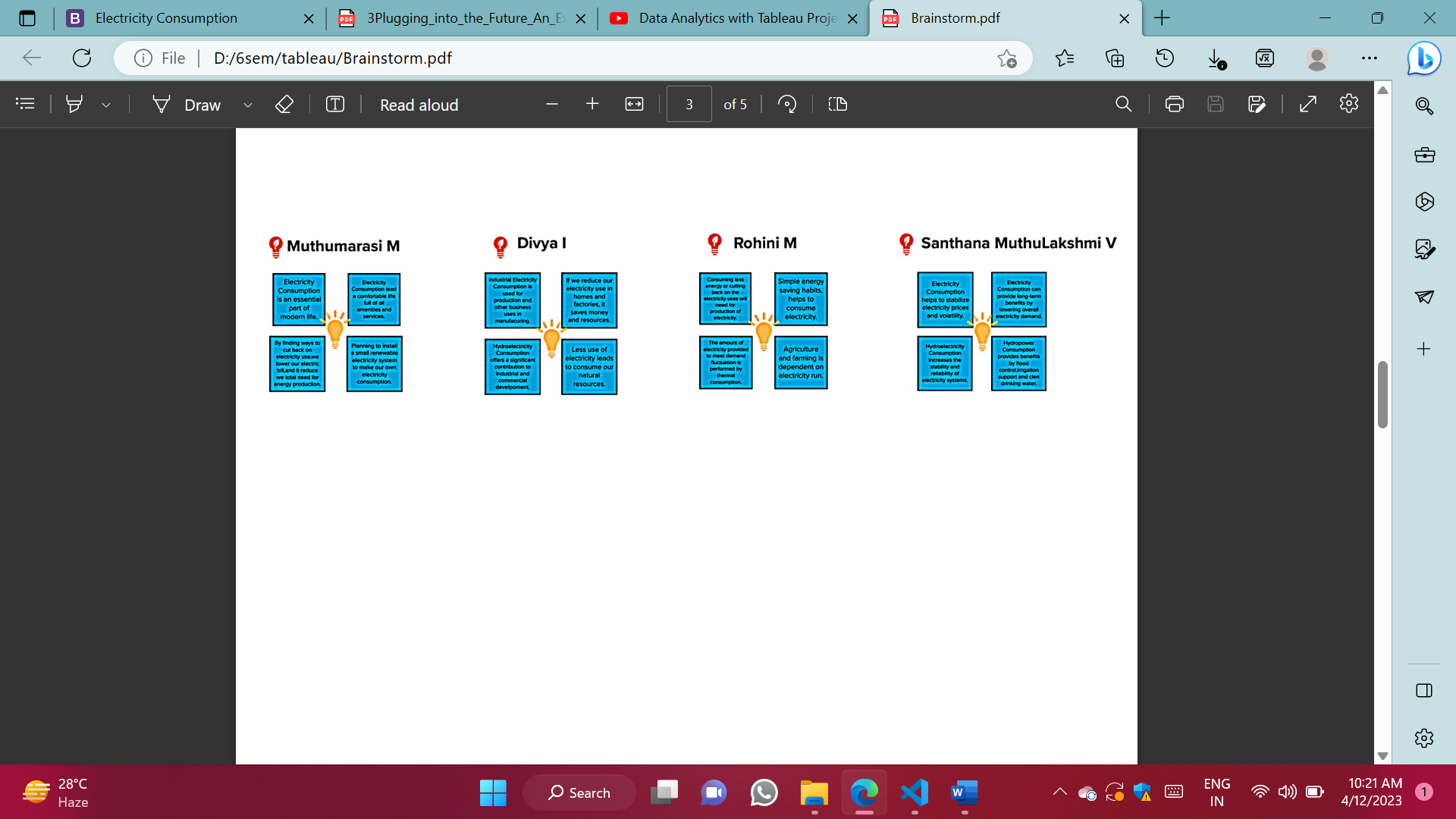
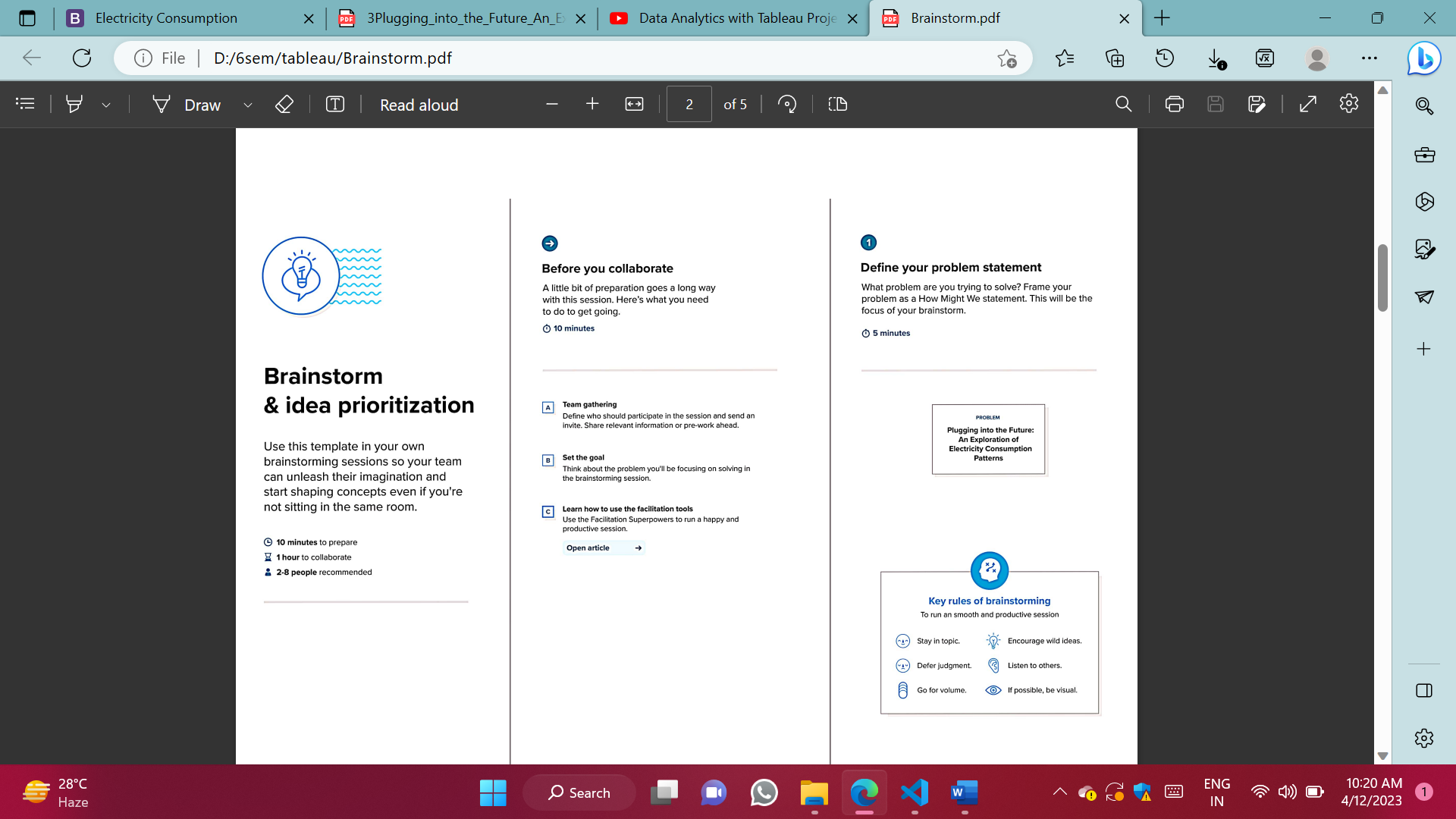
This information can be used to identify areas where consumption is high and areas where it is low. Identify opportunities for improving energy efficiency and reducing consumption in different sectors and regions. This information can be used to develop policies and programs to promote energy efficiency. This information can be used by government agencies, electricity providers, and investors to develop policies and make investment decisions that promote sustainable energy development and consumption in India.

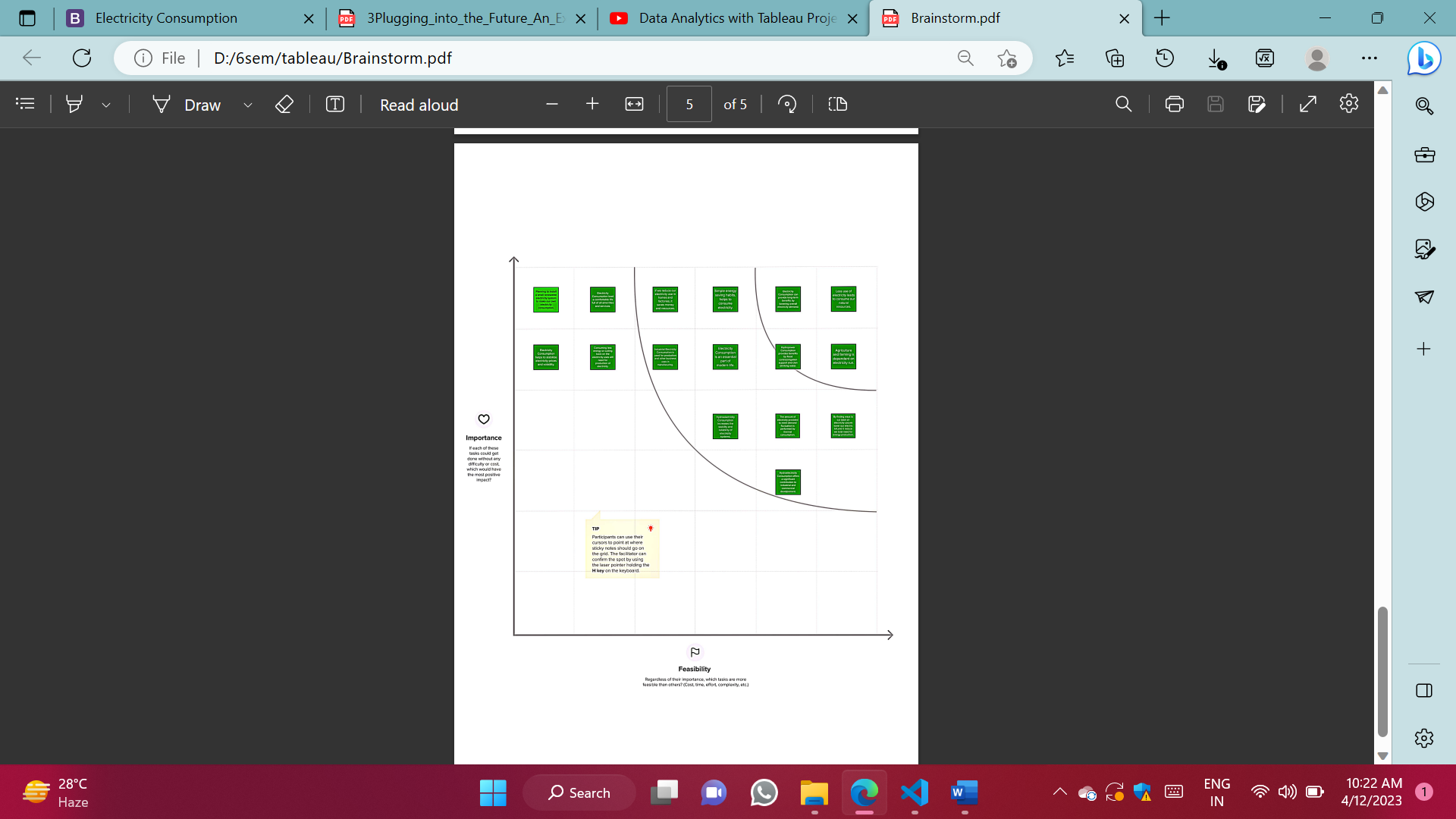
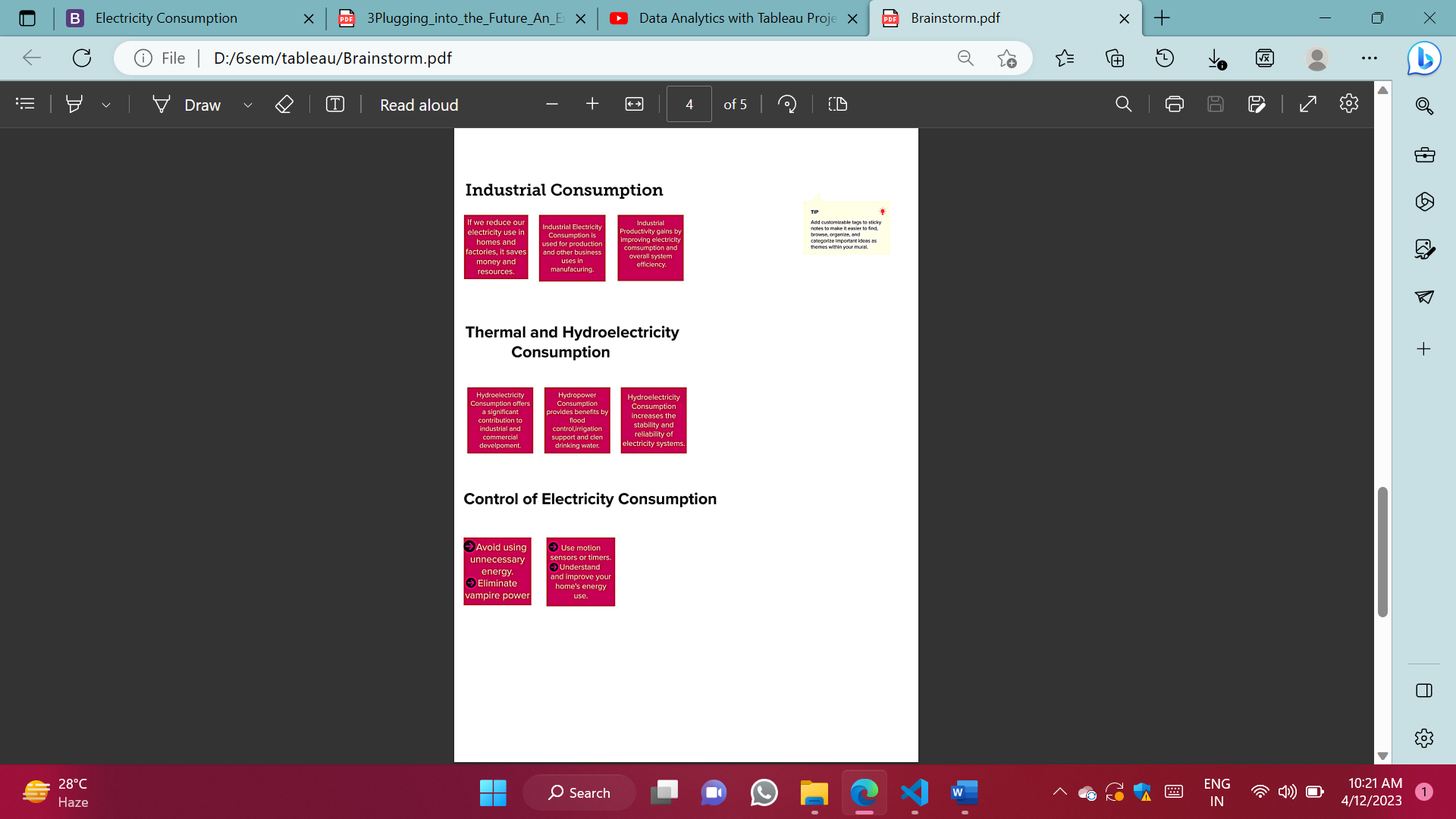
**2 Problem Definition & Design Thinking**

2.1 Empathy Map



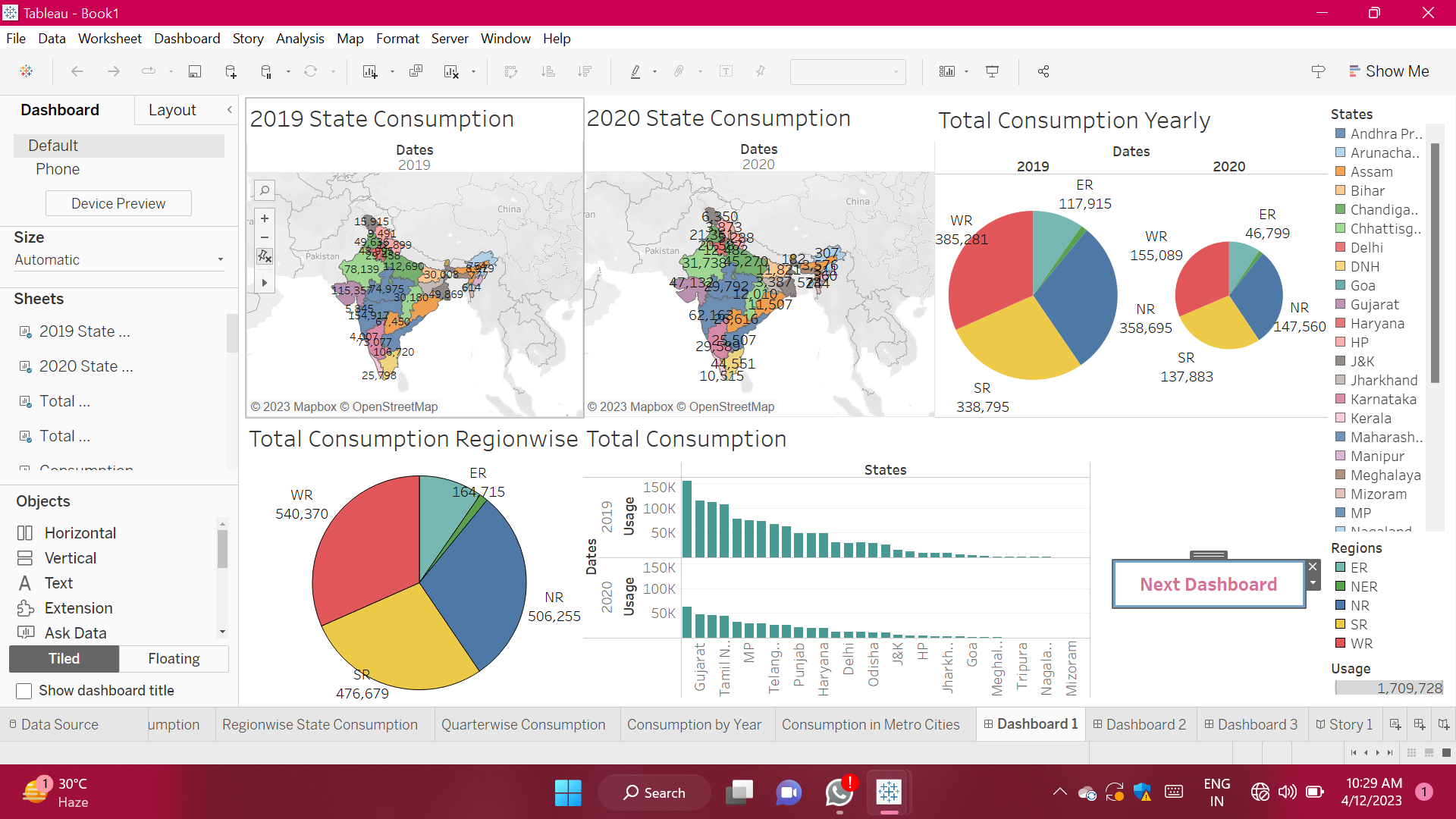
2.2 Ideation & Brainstorming Map

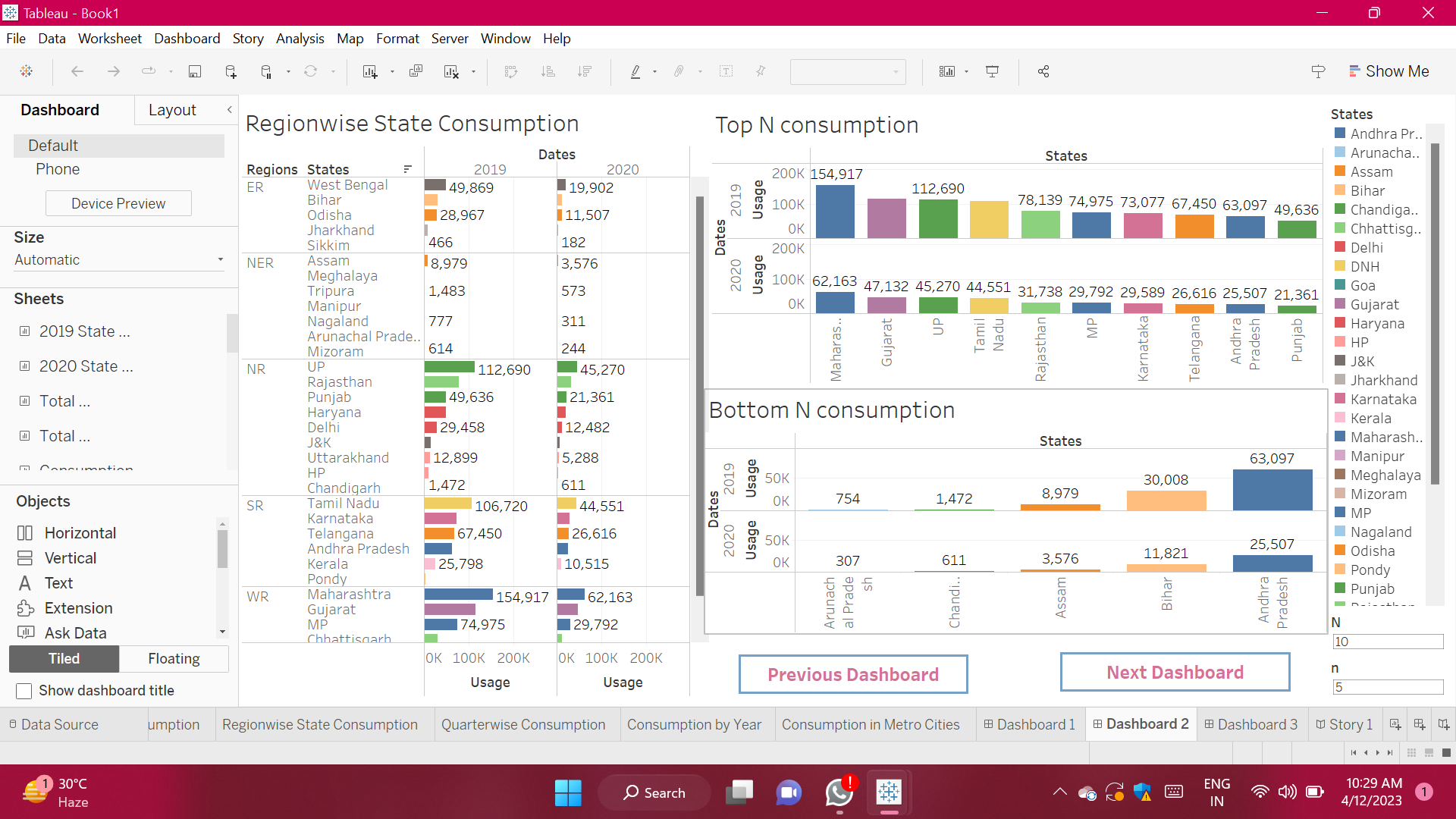


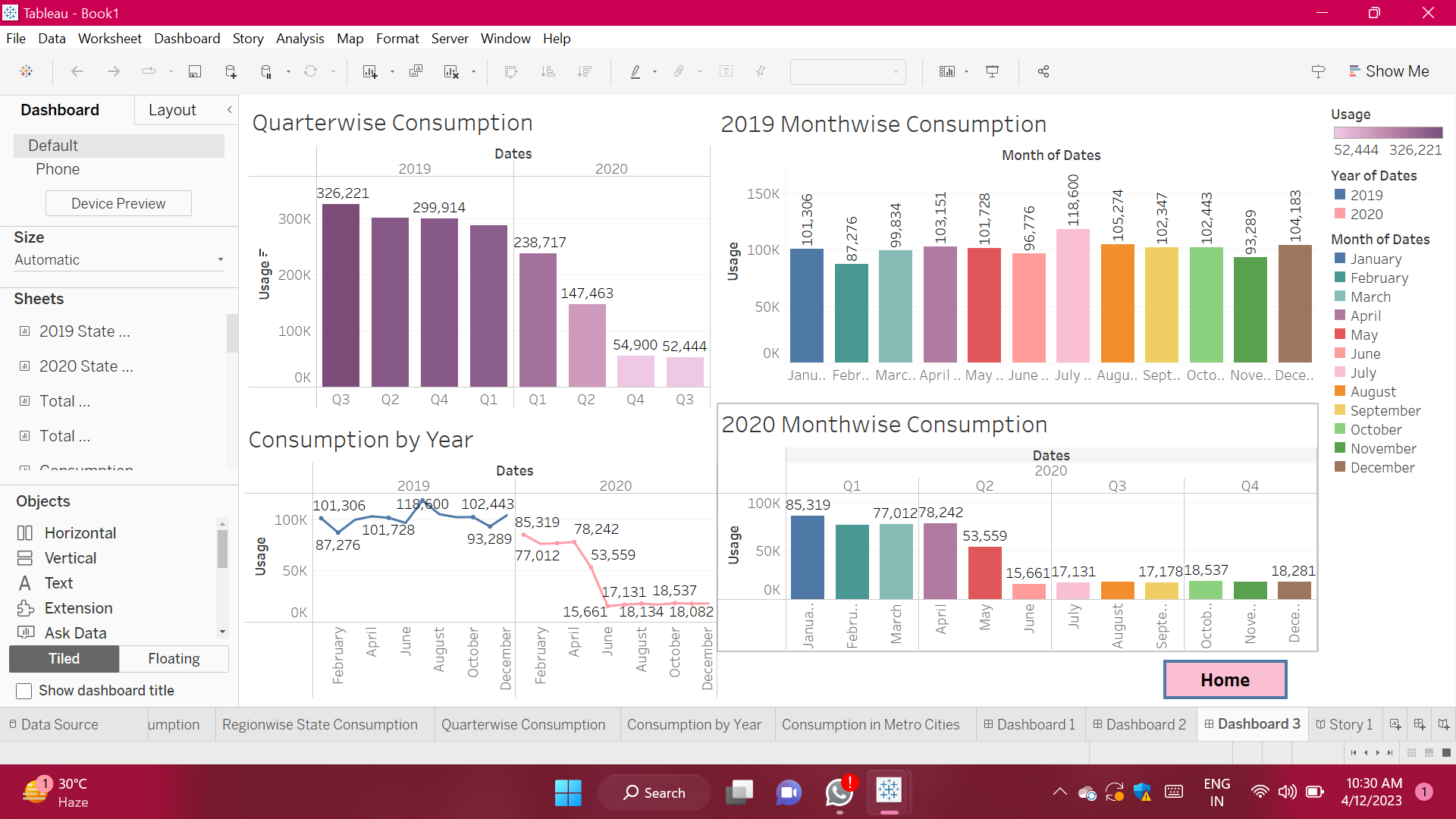


1. **RESULT**

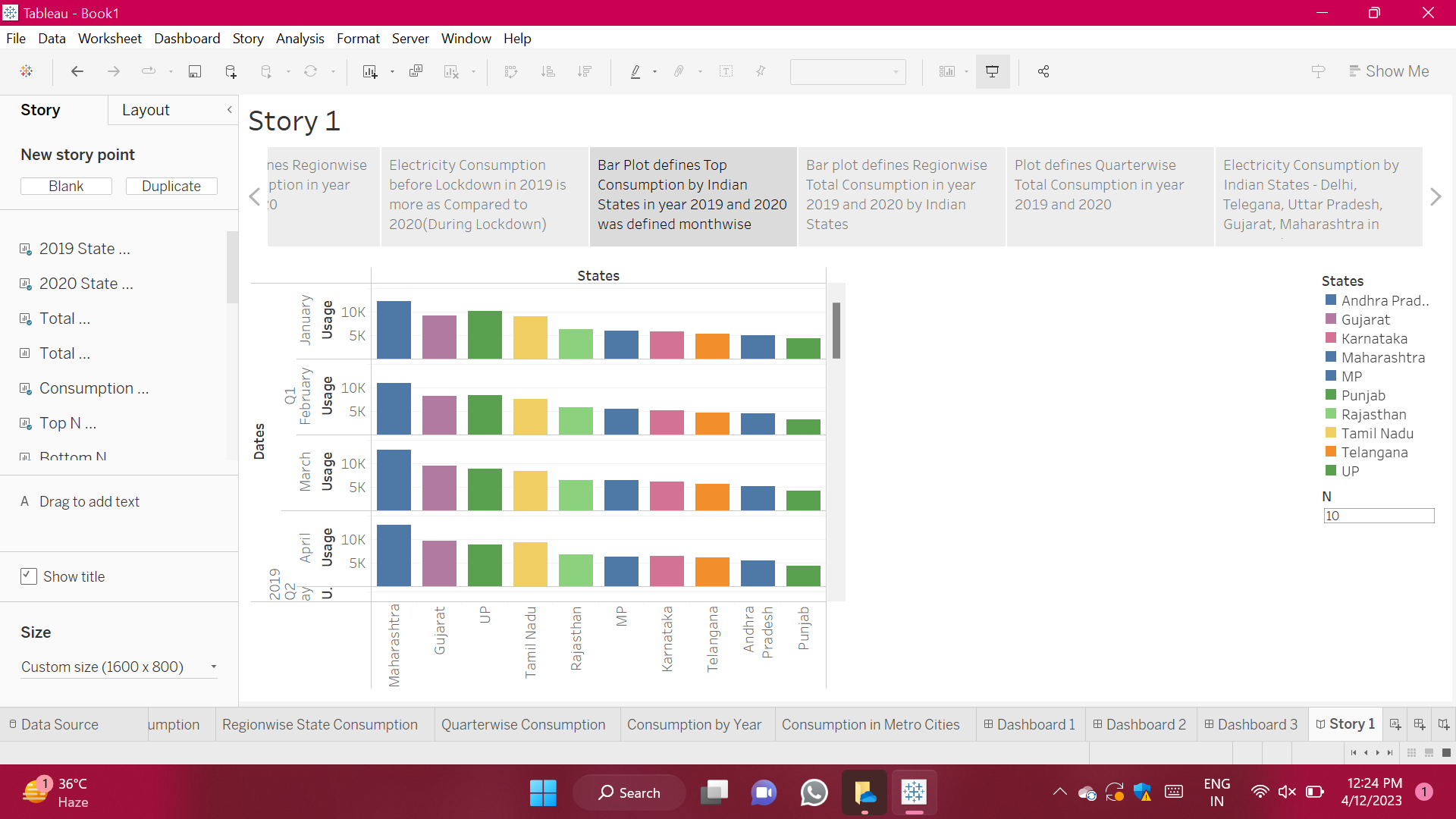
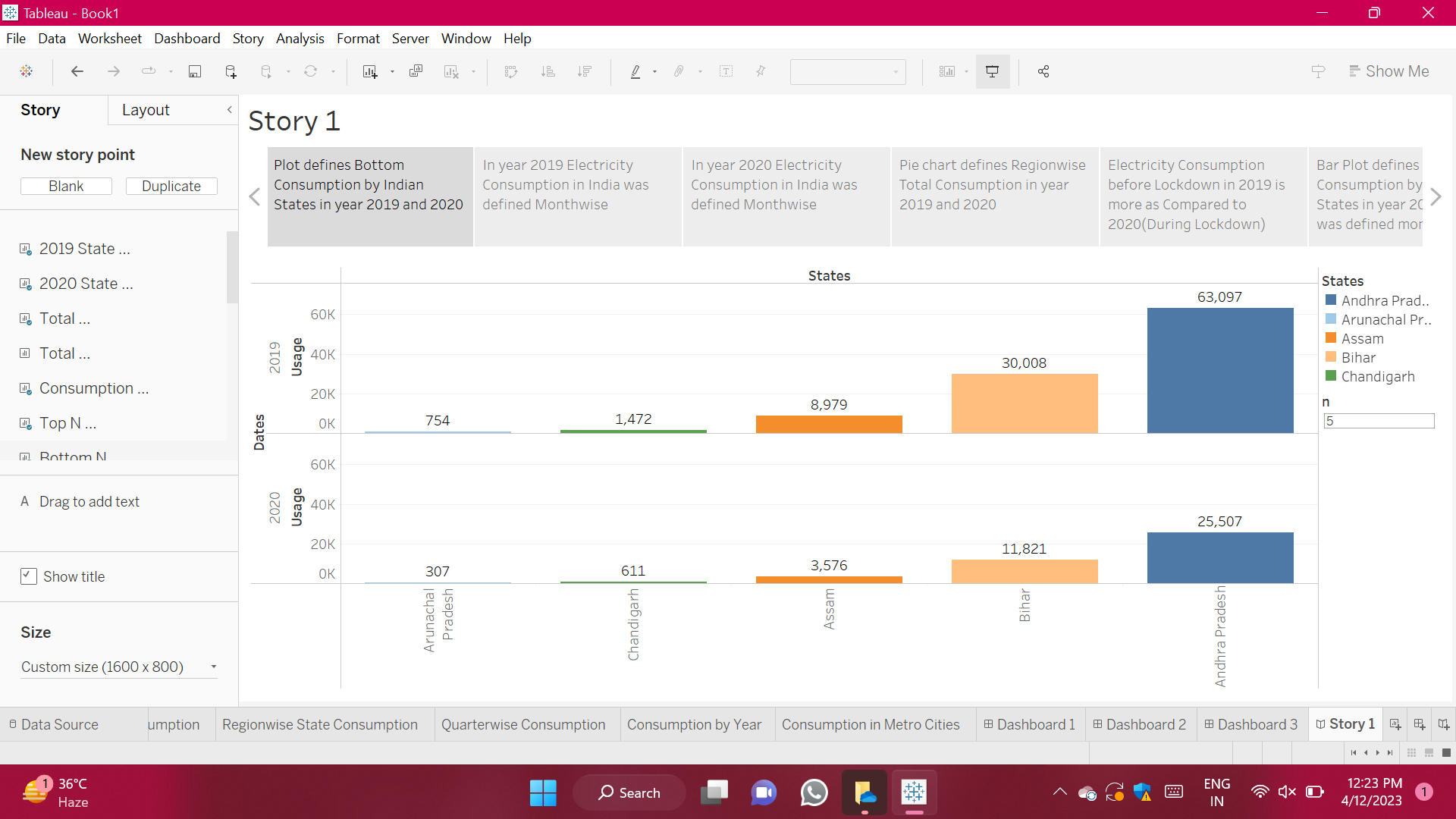
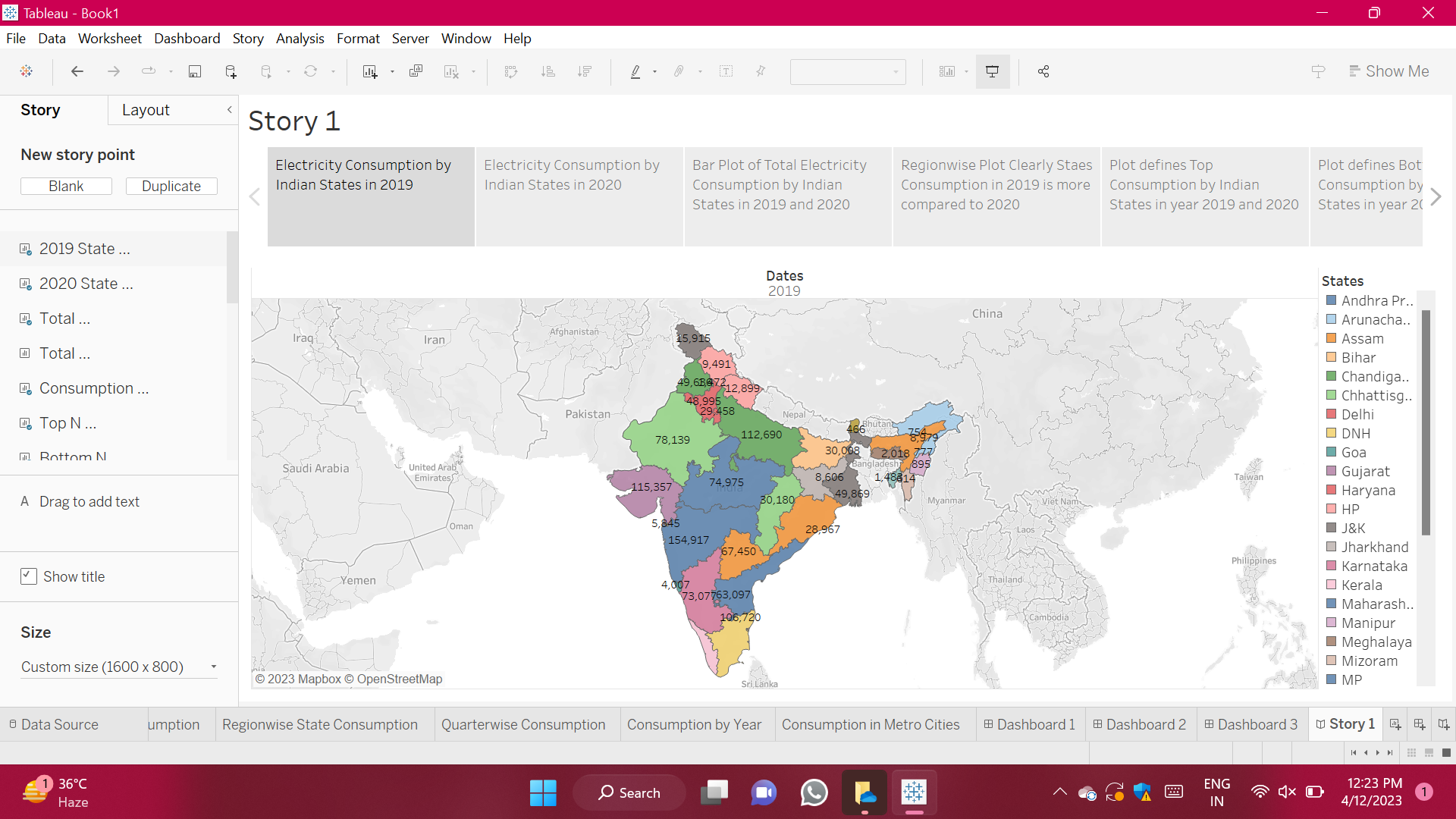
Dashboard

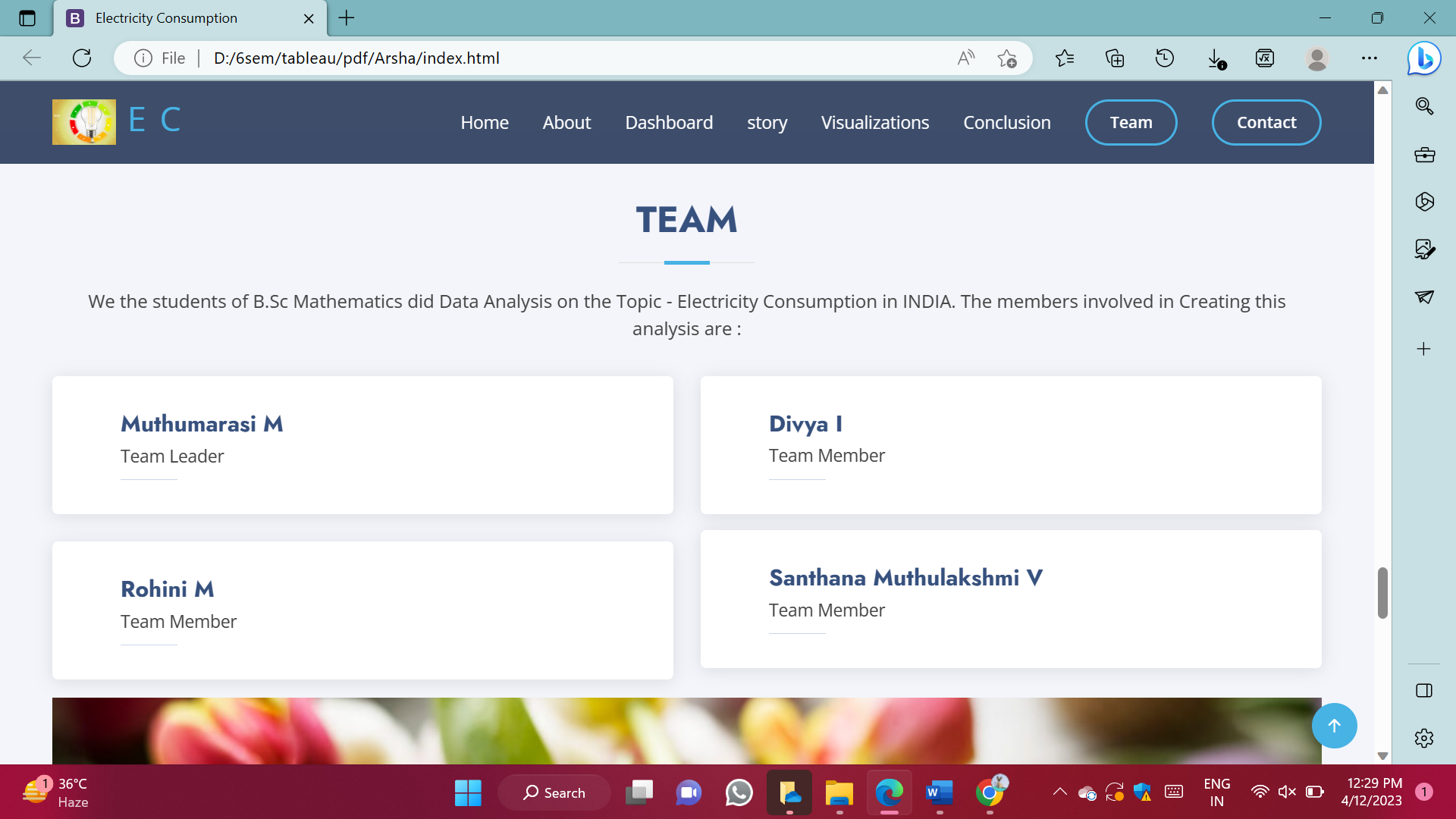
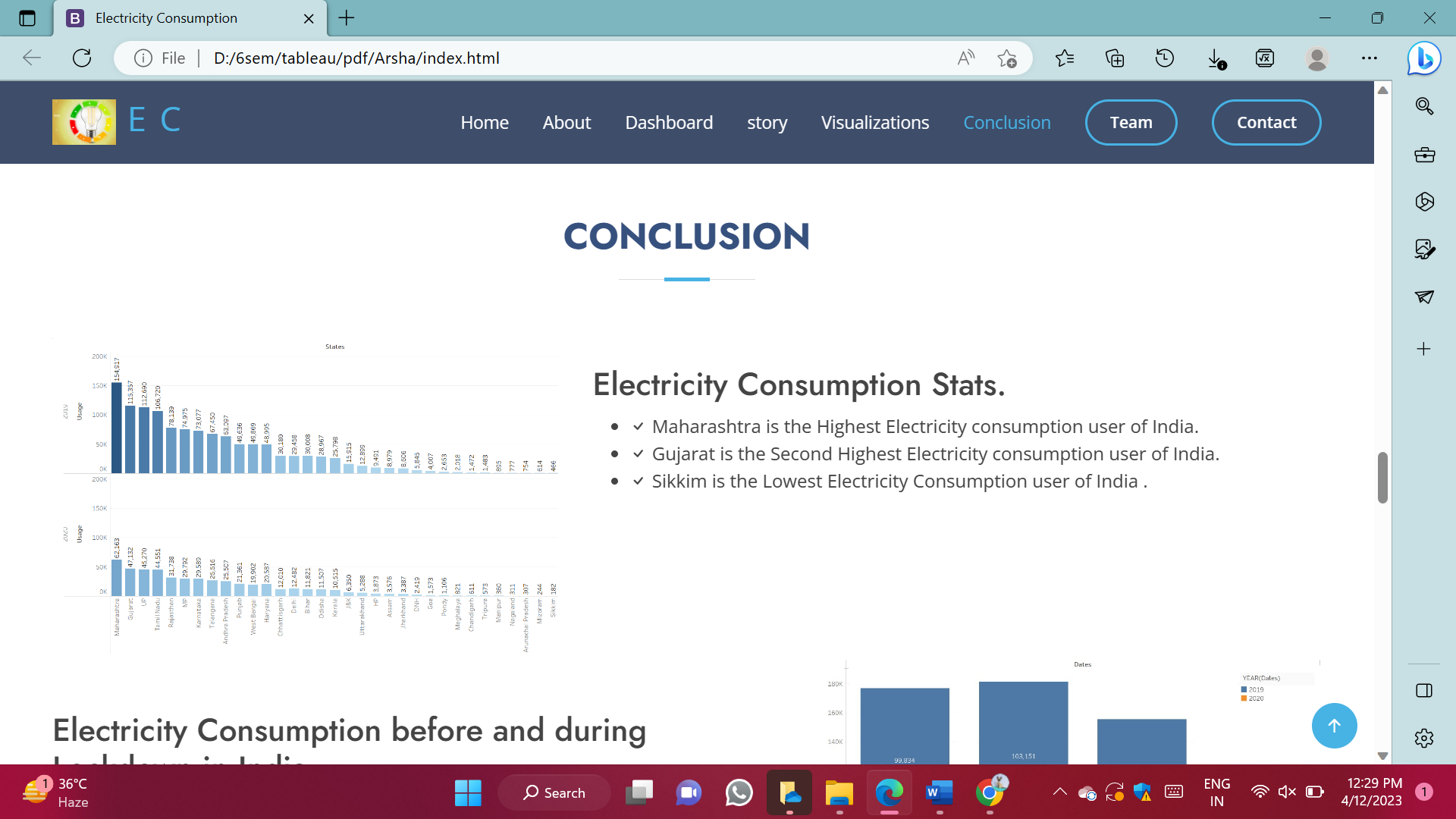
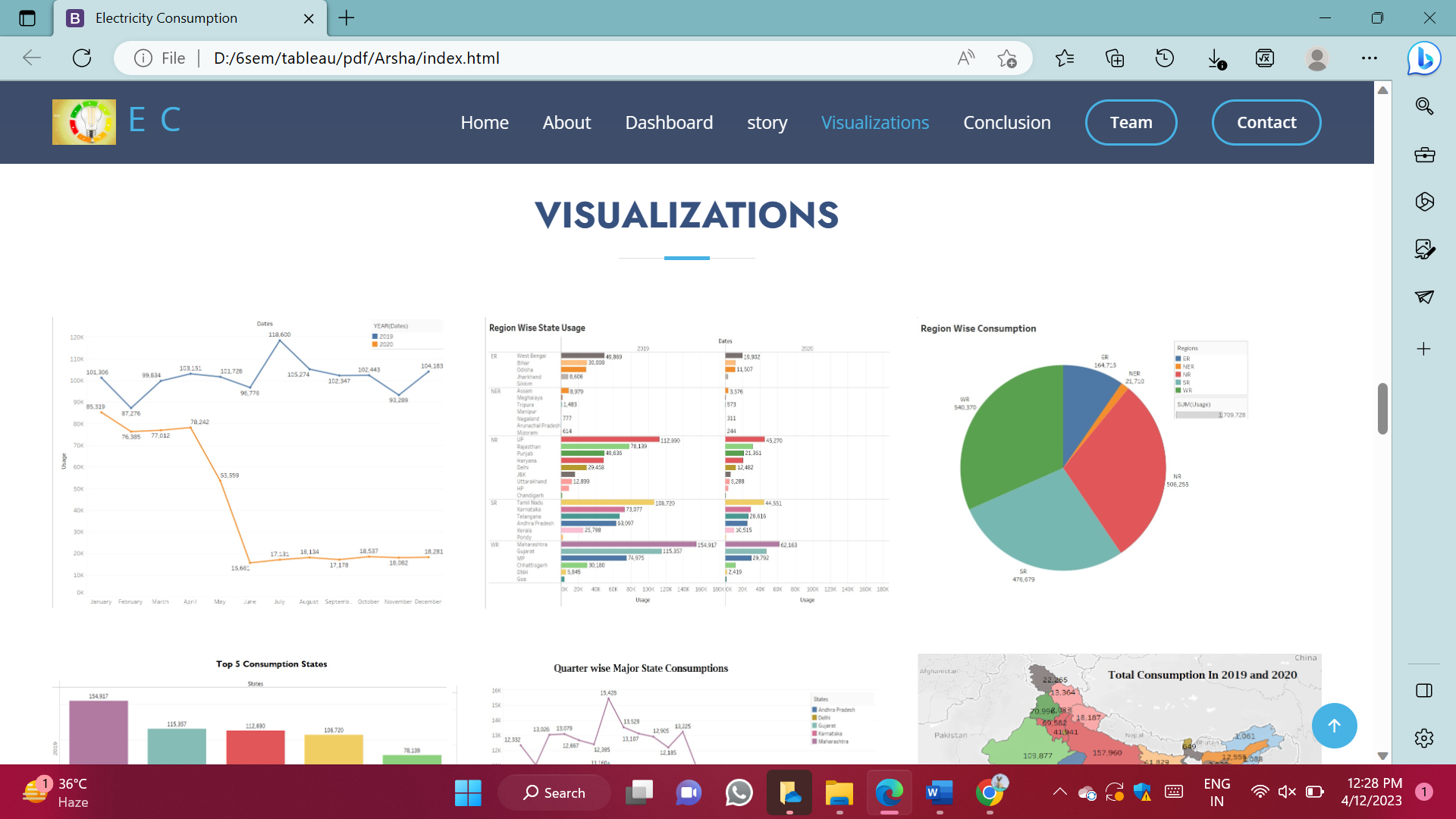
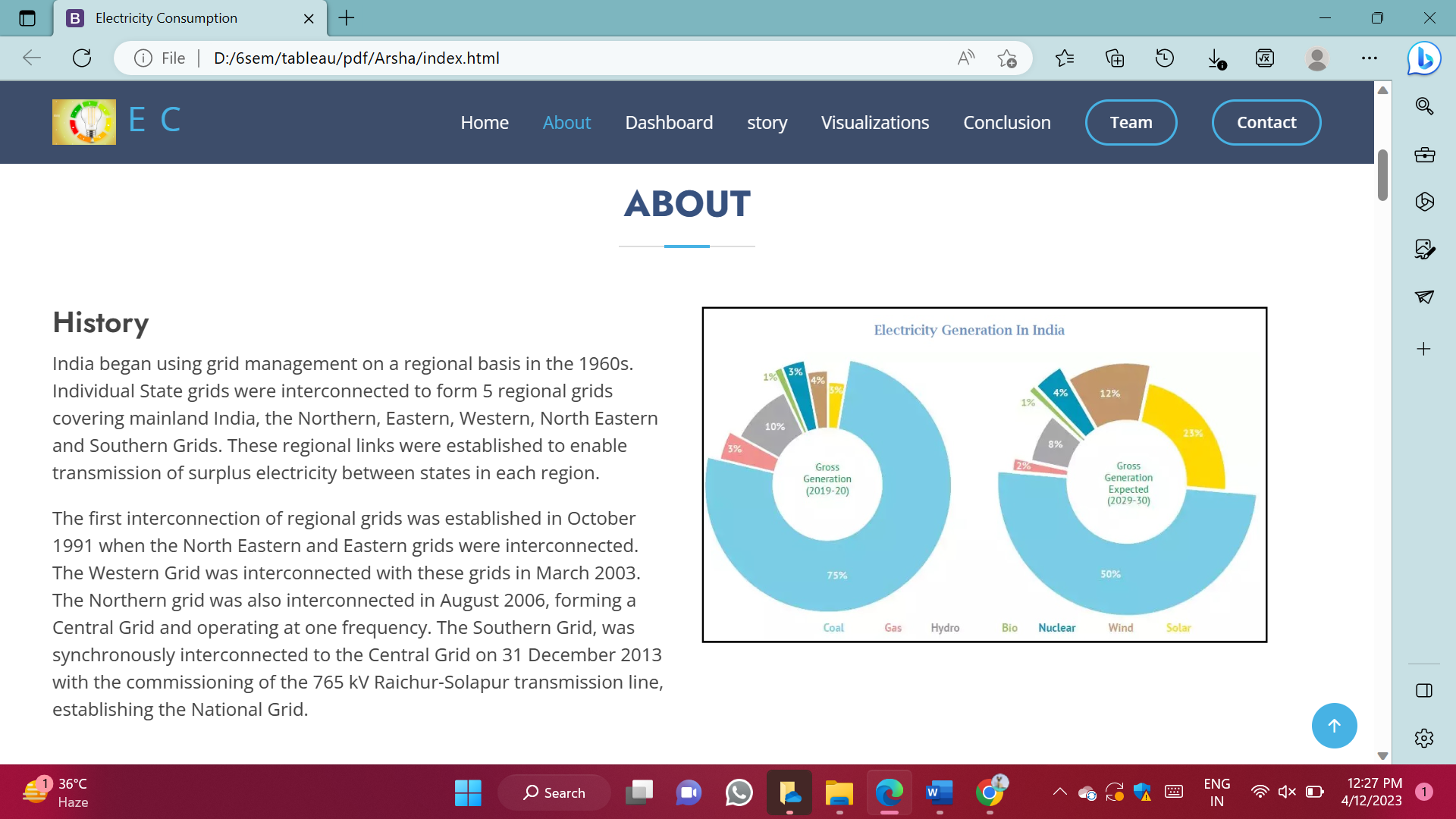
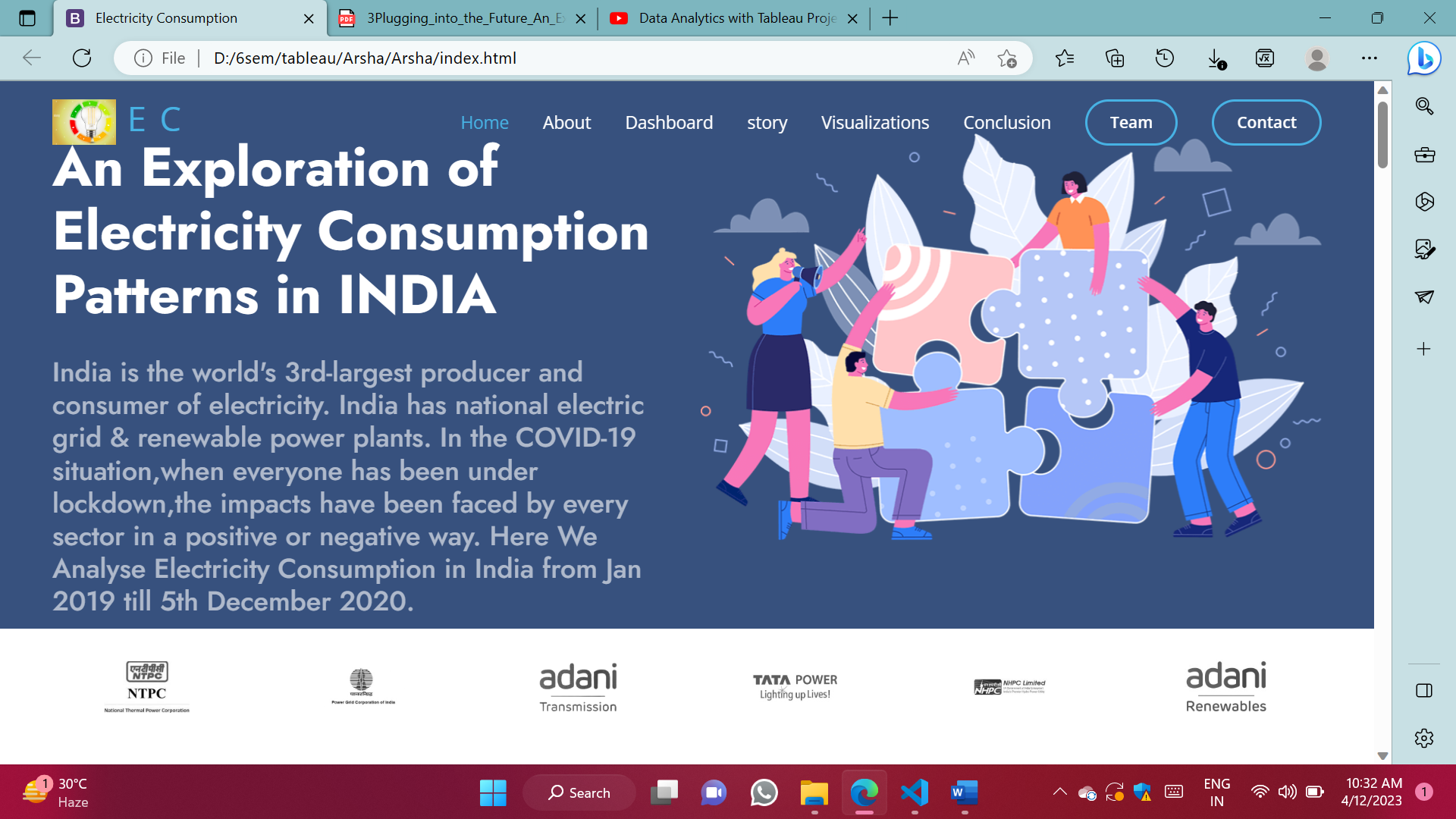






Story



Web app

1. **ADVANTAGES & DISADVANTAGES**

**Advantages**

This information can be used to identify areas where consumption is high and areas where it is low. So that we can aware the people in the areas with high consumption to reduce the wastage electricity. Also we can aware the people in the areas with low consumption to make the required usage of electricity completely.

**Disadvantages**

Population growth may affect this analysis so this is not stable. So we have to be conscious on the population growth and their respective Usage.

1. **APPLICATIONS**

This information can be used to develop policies and programs to promote energy efficiency. This information can be used by government agencies, electricity providers, and investors to develop policies and make investment decisions that promote sustainable energy development and consumption in India.

1. **CONCLUSION**

Electricity Consumption in States

* Maharashtra is the Highest Electricity consumption user of India.
* Gujarat is the Second Highest Electricity consumption user of India.
* Sikkim is the Lowest Electricity Consumption user of India .

Electricity Consumption before and during Lockdown in India

* Electricity consumption was more in 2019 in month of March-June before Lockdown
* Electricity Consumption was less in 2020 in month of March-June during the Lockdown

### Electricity Consumption in Quarters

* Electricity Consumption in 2019 for Quarter 3 was Highest.
* Electricity Consumption in 2019 for Quarter 1 was Lowest.
* Electricity Consumption in 2020 for Quarter 3 was Lowest.
* Electricity Consumption in 2020 for Quarter 1 was Highest.

Electricity Consumption in Regions

* Total Electricity consumption in Western Region is Highest.
* Total Electricity consumption in North Eastern Region is Lowest.
* Electricity Consumption in 2020 for Quarter 3 was Lowest.
* Electricity Consumption in 2020 for Quarter 1 was Highest.

1. **FUTURE SCOPE**

This information can be used to identify areas where consumption is high and areas where it is low. So that we can aware the people in the areas with high consumption to reduce the wastage electricity. Also we can aware the people in the areas with low consumption to make the required usage of electricity completely.

1. **APPENDIX**

A. Source Code

<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="utf-8">

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

  <title>Electricity Consumption</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">

</head>

<body>

  <!-- ======= Header ======= -->

  <header id="header" class="fixed-top ">

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

      <a href="index.html" class="logo me-auto"><img src="assets/img/logo.png" alt="" class="img-fluid">  E C</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="#services">Dashboard</a></li>

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

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

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

          <li><a class="getstarted scrollto" href="#team">Team</a></li>

          <li><a class="getstarted 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">

          <p></p>

          <h1>An Exploration of Electricity Consumption Patterns in INDIA</h1>

          <p></p>

          <h2>India is the world's 3rd-largest producer and consumer of electricity. India has national electric grid & renewable power plants. In the COVID-19 situation,when everyone has been under lockdown,the impacts have been faced by every sector in a positive or negative way. Here We Analyse Electricity Consumption in India from Jan 2019 till 5th December 2020.</h2>

        </div>

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

          <p></p>

          <img src="assets/img/hero-imag.png" class="img-fluid animated" alt="">

        </div>

      </div>

    </div>

  </section><!-- End Hero -->

  <main id="main">

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

    <section id="clients" class="clients">

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

          <div class="row">

              <div class="col-lg-2 col-md-4 col-6 d-flex align-items-center justify-content-center">

                  <img src="data:image/jpeg;base64,"

                      class="img-fluid" alt="">

              </div>

              <div class="col-lg-2 col-md-4 col-6 d-flex align-items-center justify-content-center">

                  <img src="https://tradebrains.in/wp-content/uploads/2020/09/Power-Grid-Corporation-of-lndia-Limited-PGCIL-300x139.jpg" class="img-fluid" alt="">

              </div>

              <div class="col-lg-2 col-md-4 col-6 d-flex align-items-center justify-content-center">

                  <img src="https://tradebrains.in/wp-content/uploads/2022/08/adani-removebg-preview.png" class="img-fluid" alt="">

              </div>

              <div class="col-lg-2 col-md-4 col-6 d-flex align-items-center justify-content-center">

                  <img src="https://tradebrains.in/wp-content/uploads/2020/09/TataPower.jpg" class="img-fluid" alt="">

              </div>

              <div class="col-lg-2 col-md-4 col-6 d-flex align-items-center justify-content-center">

                  <img src="data:image/jpeg;base64,"

                      class="img-fluid" alt="">

              </div>

              <div class="col-lg-2 col-md-4 col-6 d-flex align-items-center justify-content-center">

                  <img src="https://tradebrains.in/wp-content/uploads/2020/09/Adani\_Renewables-300x194.jpg" class="img-fluid" alt="">

              </div>

          </div>

      </div>

  </section>

  <!-- End Clients Section -->

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

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

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

        <div class="section-title">

          <h2>About</h2>

        </div>

        <div class="row content">

          <div class="col-lg-6">

            <div class="content">

                <h3>History</h3>

                <p>India began using grid management on a regional basis in the 1960s. Individual State grids were interconnected to form 5 regional grids covering mainland India, the Northern, Eastern, Western, North Eastern and Southern Grids.

                    These regional links were established to enable transmission of surplus electricity between states in each region.

                </p>

                <p>The first interconnection of regional grids was established in October 1991 when the North Eastern and Eastern grids were interconnected. The Western Grid was interconnected with these grids in March 2003. The Northern grid

                    was also interconnected in August 2006, forming a Central Grid and operating at one frequency. The Southern Grid, was synchronously interconnected to the Central Grid on 31 December 2013 with the commissioning of the 765

                    kV Raichur-Solapur transmission line, establishing the National Grid.</p>

            </div>

            </div>

          <div class="col-lg-6 pt-4 pt-lg-0">

            <img src="assets\img\gen.png" class="" alt="" width="500" height="300">

          </div>

        </div>

      </div>

    </section>

    <!-- End About Us Section -->

    <!-- ======= Portfolio Section ======= -->

    <section id="portfolio" class="portfolio">

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

        <div class="section-title">

          <h2>Story</h2>

        </div>

        <div class='tableauPlaceholder' id='viz1681021766243' style='position: relative'><noscript><a href='#'><img alt='Story 1 ' src='https:&#47;&#47;public.tableau.com&#47;static&#47;images&#47;El&#47;ElectricityConsumption4&#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 name='embed\_code\_version' value='3' /> <param name='site\_root' value='' /><param name='name' value='ElectricityConsumption4&#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;El&#47;ElectricityConsumption4&#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' /><param name='filter' value='publish=yes' /></object></div>                <script type='text/javascript'>                    var divElement = document.getElementById('viz1681021766243');                    var vizElement = divElement.getElementsByTagName('object')[0];                    vizElement.style.width='1600px';vizElement.style.height='827px';                    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 Portfolio Section -->

    <!-- ======= Services Section ======= -->

    <section id="services" class="services section-bg">

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

        <div class="section-title">

          <h2>Dashboard</h2>

        </div>

        <div class='tableauPlaceholder' id='viz1681021036650' style='position: relative'><noscript><a href='#'><img alt='Dashboard 1 ' src='https:&#47;&#47;public.tableau.com&#47;static&#47;images&#47;El&#47;ElectricityConsumption\_16810208741700&#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='ElectricityConsumption\_16810208741700&#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;El&#47;ElectricityConsumption\_16810208741700&#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' /><param name='filter' value='publish=yes' /></object></div>                <script type='text/javascript'>                    var divElement = document.getElementById('viz1681021036650');                    var vizElement = divElement.getElementsByTagName('object')[0];                    if ( divElement.offsetWidth > 800 ) { vizElement.style.width='100%';vizElement.style.height=(divElement.offsetWidth\*0.75)+'px';} else if ( divElement.offsetWidth > 500 ) { vizElement.style.width='100%';vizElement.style.height=(divElement.offsetWidth\*0.75)+'px';} else { vizElement.style.width='100%';vizElement.style.height='1777px';}                     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 Services Section -->

<!-- ======= Visualization Section ======= -->

<section id="Visualizations" 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">

                  <img src="assets/img/portfolio/p1.jpg" class="img-fluid" alt="">

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

              <div class="portfolio-wrap">

                  <img src="assets/img/portfolio/p2.jpg" class="img-fluid" alt="">

                  <div class="portfolio-info">

                      <h4>Image 2</h4>

                      <div class="portfolio-links">

                          <a href="assets/img/portfolio/p2.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">

                  <img src="assets/img/portfolio/p3.jpg" class="img-fluid" alt="">

                  <div class="portfolio-info">

                      <h4>Image 3</h4>

                      <div class="portfolio-links">

                          <a href="assets/img/portfolio/p3.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">

                  <img src="assets/img/portfolio/p5.jpg" class="img-fluid" alt="">

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

              <div class="portfolio-wrap">

                  <img src="assets/img/portfolio/p6.jpg" class="img-fluid" alt="">

                  <div class="portfolio-info">

                      <h4>Image 5</h4>

                      <div class="portfolio-links">

                          <a href="assets/img/portfolio/p6.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">

                  <img src="assets/img/portfolio/p4.jpg" class="img-fluid" alt="">

                  <div class="portfolio-info">

                      <h4>Image 6</h4>

                      <div class="portfolio-links">

                          <a href="assets/img/portfolio/p4.jpg" data-gallery="portfolioGallery" class="portfolio-lightbox" title="Web 3"><i class="bx bx-plus"></i></a>

                      </div>

                  </div>

              </div>

          </div>

      </div>

  </div>

</section>

<!-- End visualisation Section -->

    <!--conclusion section-->

    <section id="Conclusion" class="portfolio" data-aos="fade-up">

      <div class="container">

          <div class="section-title">

              <h2>Conclusion</h2>

          </div>

          <div class="row content">

              <div class="col-md-5" data-aos="fade-right" data-aos-delay="100">

                  <img src="assets/img/img1.jpg" class="img-fluid" alt="">

              </div>

              <div class="col-md-7 pt-4" data-aos="fade-left" data-aos-delay="100">

                  <h3>Electricity Consumption States</h3>

                  <ul>

                      <li><i class=" bi bi-check"></i> Maharashtra is the Highest Electricity consumption user of India.</li>

                      <li><i class="bi bi-check"></i> Gujarat is the Second Highest Electricity consumption user of India.</li>

                      <li><i class="bi bi-check"></i> Sikkim is the Lowest Electricity Consumption user of India .</li>

                  </ul>

              </div>

          </div>

          <div class="row content">

              <div class="col-md-5 order-1 order-md-2" data-aos="fade-left">

                  <img src="assets\img\img2.jpg" class="img-fluid" alt="">

              </div>

              <div class="col-md-7 pt-5 order-2 order-md-1" data-aos="fade-right">

                  <h3>Electricity Consumption before and during Lockdown in India</h3>

                  <li><i class="bi bi-check"></i>Electricity consumption was more in 2019 in month of March-June before Lockdown</li>

                  <li><i class="bi bi-check"></i>Electricity Consumption was less in 2020 in month of March-June during the Lockdown</li>

              </div>

          </div>

          <div class="row content">

              <div class="col-md-5" data-aos="fade-right">

                  <img src="assets/img/img3.jpg" class="img-fluid" alt="">

              </div>

              <div class="col-md-7 pt-5" data-aos="fade-left">

                  <h3>Electricity Consumption in Quarters</h3>

                  <ul>

                      <li><i class="bi bi-check"></i> Electricity Consumption in 2019 for Quarter 3 was Highest.</li>

                      <li><i class="bi bi-check"></i> Electricity Consumption in 2019 for Quarter 1 was Lowest.</li>

                      <li><i class="bi bi-check"></i> Electricity Consumption in 2020 for Quarter 3 was Lowest.</li>

                      <li><i class="bi bi-check"></i> Electricity Consumption in 2020 for Quarter 1 was Highest.</li>

                  </ul>

              </div>

          </div>

          <div class="row content">

              <div class="col-md-5 order-1 order-md-2" data-aos="fade-left">

                  <img src="assets/img/img5.jpg" class="img-fluid" alt="">

              </div>

              <div class="col-md-7 pt-5 order-2 order-md-1" data-aos="fade-right">

                  <h3>Electricity Consumption in Regions</h3>

                  <ul>

                      <li><i class="bi bi-check"></i> Total Electricity consumption in Western Region is Highest.</li>

                      <li><i class="bi bi-check"></i> Total Electricity consumption in North Eastern Region is Lowest.</li>

                  </ul>

              </div>

          </div>

      </div>

  </section><!--end of conclusion section-->

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

    <section id="team" class="team section-bg">

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

        <div class="section-title">

          <h2>Team</h2>

          <p>We the students of B.Sc Mathematics did Data Analysis on the Topic - Electricity Consumption in INDIA. The members involved in Creating this analysis are :</p>

        </div>

        <div class="row">

          <div class="col-lg-6" data-aos="zoom-in" data-aos-delay="100">

            <div class="member d-flex align-items-start">

              <div class="member-info">

                <h4>Muthumarasi M</h4>

                <span>Team Leader</span>

              </div>

            </div>

          </div>

          <div class="col-lg-6 mt-4 mt-lg-0" data-aos="zoom-in" data-aos-delay="200">

            <div class="member d-flex align-items-start">

              <div class="member-info">

                <h4>Divya I</h4>

                <span>Team Member</span>

              </div>

            </div>

          </div>

          <div class="col-lg-6 mt-4" data-aos="zoom-in" data-aos-delay="300">

            <div class="member d-flex align-items-start">

              <div class="member-info">

                <h4>Rohini M</h4>

                <span>Team Member</span>

              </div>

            </div>

          </div>

          <div class="col-lg-6 mt-4" data-aos="zoom-in" data-aos-delay="400">

            <div class="member d-flex align-items-start">

              <div class="member-info">

                <h4>Santhana Muthulakshmi V</h4>

                <span>Team Member</span>

              </div>

            </div>

          </div>

        </div>

          <p></p>

            <div>

                <img src="assets/img/thanks.jpg" alt="" class="img-fluid animated">

            </div>

      </div>

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

  <!-- ======= Contact Section ======= -->

  <section id="contact" class="contact section-bg">

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

          <div class="section-title">

              <h2>Contact</h2>

          </div>

          <div class="row">

              <div class="col-lg-6">

                  <div class="row">

                      <div class="col-md-12">

                          <div class="info-box">

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

                              <h3>Our Address</h3>

                              <p>SamrtBridge, Hyderabad,AndhraPradesh, India</p>

                          </div>

                      </div>

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

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

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

                              <h3>Email Us</h3>

                              <p>info@smartbridge.com<br>contact@smartbridge.com</p>

                          </div>

                      </div>

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

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

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

                              <h3>Call Us</h3>

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

                          </div>

                      </div>

                  </div>

              </div>

              <div class="col-lg-6 mt-4 mt-md-0">

                  <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 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>

      </div>

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

  </main><!-- End #main -->

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

<footer id="footer">

  <div class="container d-md-flex py-4">

      <div class="me-md-auto text-center text-md-start">

          <div class="copyright">

              &copy; Copyright <strong><span>SmartBridge</span></strong>. All Rights Reserved

          </div>

          <div class="credits">

              Designed by <a href="https://bootstrapmade.com/">Team</a>

          </div>

      </div>

      <div class="social-links text-center text-md-right pt-3 pt-md-0">

          <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>

</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>

 Project Report Template