

1.Introduction

1.1 Overview:

India is the world's third-largest producer and third-largest consumer of electricity. The national electric grid in India has an installed capacity of 370.106 GW as of 31 March 2020. Renewable power plants, which also include large hydroelectric plants, constitute 35.86% of India's total installed capacity. During the fiscal year (FY) 2019–20, the total electricity generation in the country was 1,598 TWh, of which 1,383.5 TWh generated by utilities. The gross electricity consumption per capita in FY2019 was 1,208 kWh.

In 2015-16, electric energy consumption in agriculture was recorded as being the highest (17.89%) worldwide. The per capita electricity consumption is low compared to most other countries despite India having a low electricity tariff.

In light of the recent COVID-19 situation, when everyone has been under lockdown for the months of March to June the impacts of the lockdown on economic activities have been faced by every sector in a positive or a negative way.

The dataset is exhaustive in its demonstration of energy consumption state wise.

Analysing Electricity Consumption in India from Jan 2019 till 5th December 2020. This dataset contains a record of Electricity consumption in each states of India, here we are going to analyzed State wise , Region wise and Overall Electricity consumption in India.

Electric energy is most often measured either in [joules](#) (J), or in watt hours (W·h).^[6]

$$1 \text{ W}\cdot\text{s} = 1 \text{ J}$$

$$1 \text{ W}\cdot\text{h} = 3600 \text{ W}\cdot\text{s} = 3600 \text{ J}$$

Electric and electronic devices consume electric energy to generate desired output (light, heat, motion, etc.). During operation, some part of the energy is lost depending on the [electrical efficiency](#).^[7]

Electricity has been generated in power stations since 1882.^[8] The invention of the steam turbine in 1884 to drive the electric generator led to an increase in worldwide electricity consumption.^[9]

In 2019, total worldwide electricity production was nearly 27,044 TWh.^[10] Total primary energy is converted into numerous forms, including, but not limited to, electricity, heat and motion.^[11] Some primary energy is lost during the conversion to electricity, as seen in the United States, where 61% was lost in 2019.^[11]

Electricity accounted for 19.7% of worldwide final energy consumption in 2019, while oil was 40.4%, coal was 9.5%, natural gas was 16.4%, biofuels and waste were 10.4%, and other sources (i.e., heat, solar thermal, and geothermal) were 3.6%.^[12] Total final electricity consumption in 2019 was split unevenly between the following sectors: industry (41.9%), residential (26.6%), commercial and

public services (21.2%), transport (1.8%), and other (8.5%; i.e., agriculture and fishing).^[12] Since 1973, final electricity consumption has decreased in the industrial sector and increased in the residential, commercial and public services sectors.^[12]

A sensitivity analysis on an adaptive neuro-fuzzy network model for electric demand estimation shows that employment is the most critical factor influencing electrical consumption.^[13] The study used six parameters as input data, employment, GDP, dwelling, population, heating degree day and cooling degree day, with electricity demand as output variable.^[13]

Usage of electrical transmission lines to distribute the electric power over the long distances then come in the picture. This distributed electrical power is then used domestically and industrially for the generation of heat, light and to operate other electrical equipment either big or small in size or terms of consumption.

1.2 purpose :

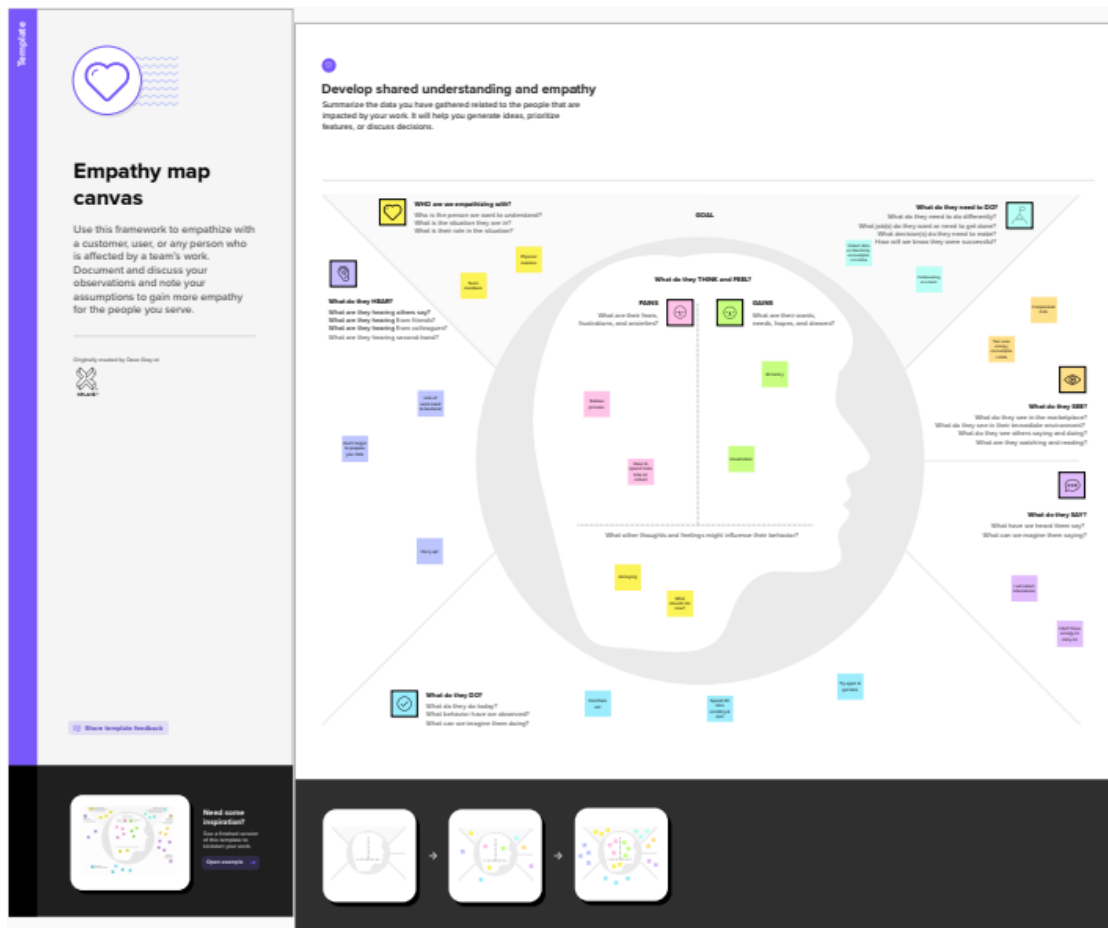
Annual electricity consumption per capita serves as **an important measure of a country's electric power development**. Generally speaking, electricity consumption grows faster when the industrialization process develops quickly and goes down rapidly when industrialization is completed or near completion. Reducing energy use in your home **saves you money, increases our energy security, and reduces the pollution that is emitted from non-renewable sources of energy**.

- Entertainment.
- Healthcare.
- Engineering.
- Transport and Communication.
- Outdoors.
- Household.
- Commercial.
- Office.

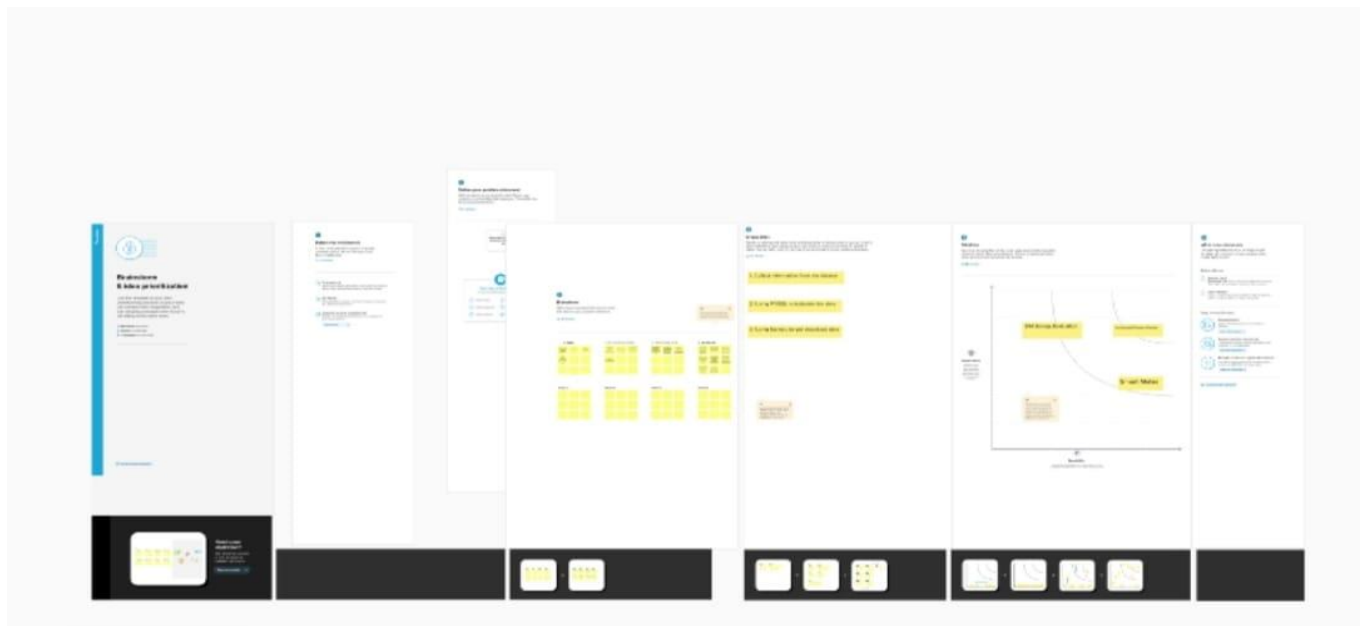
People use electricity for lighting, heating, cooling, and refrigeration and for operating appliances, computers, electronics, machinery, and public transportation systems.

2. Problem definition & design thinking

2.1 Empathy map

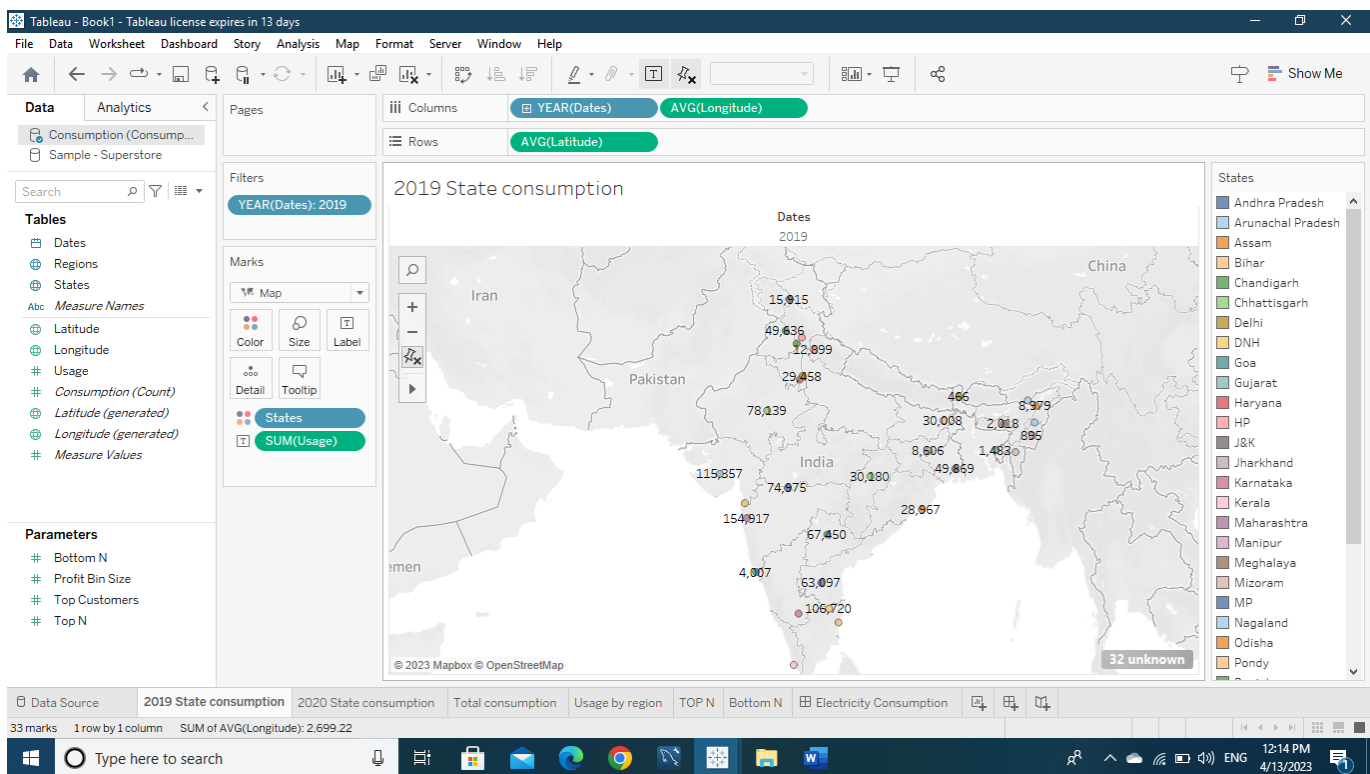


2.2 Brainstorming map :

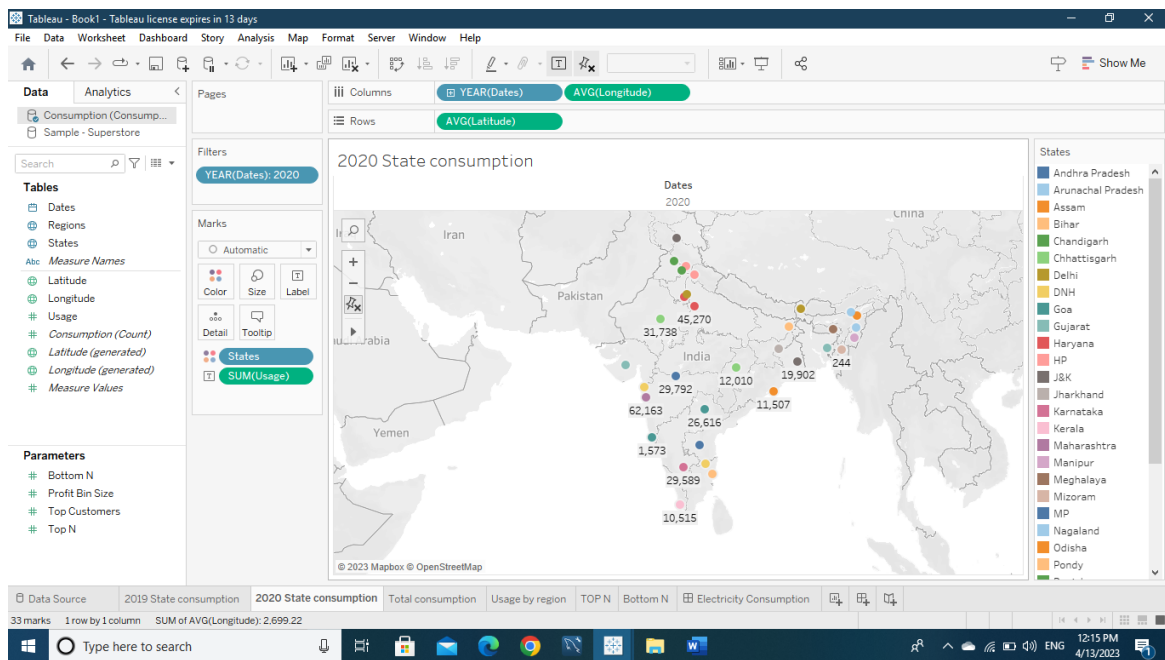


3. Results:

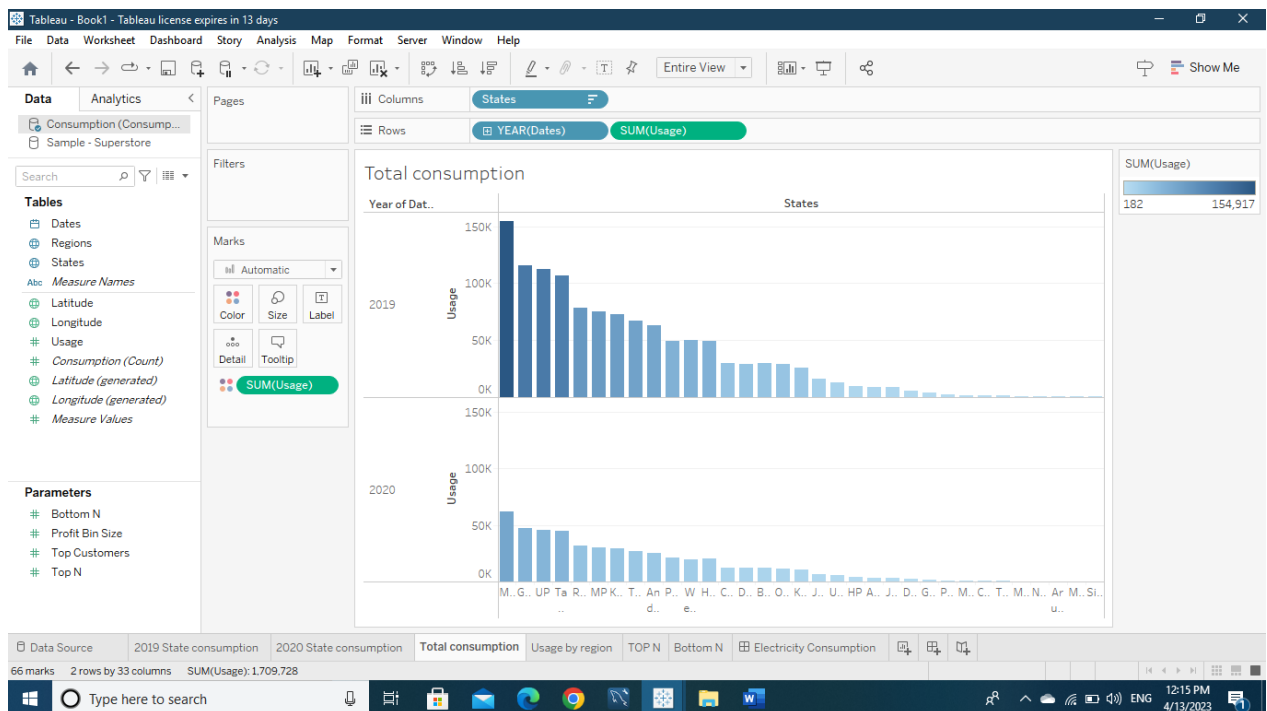
3.1 2019 State consumption:



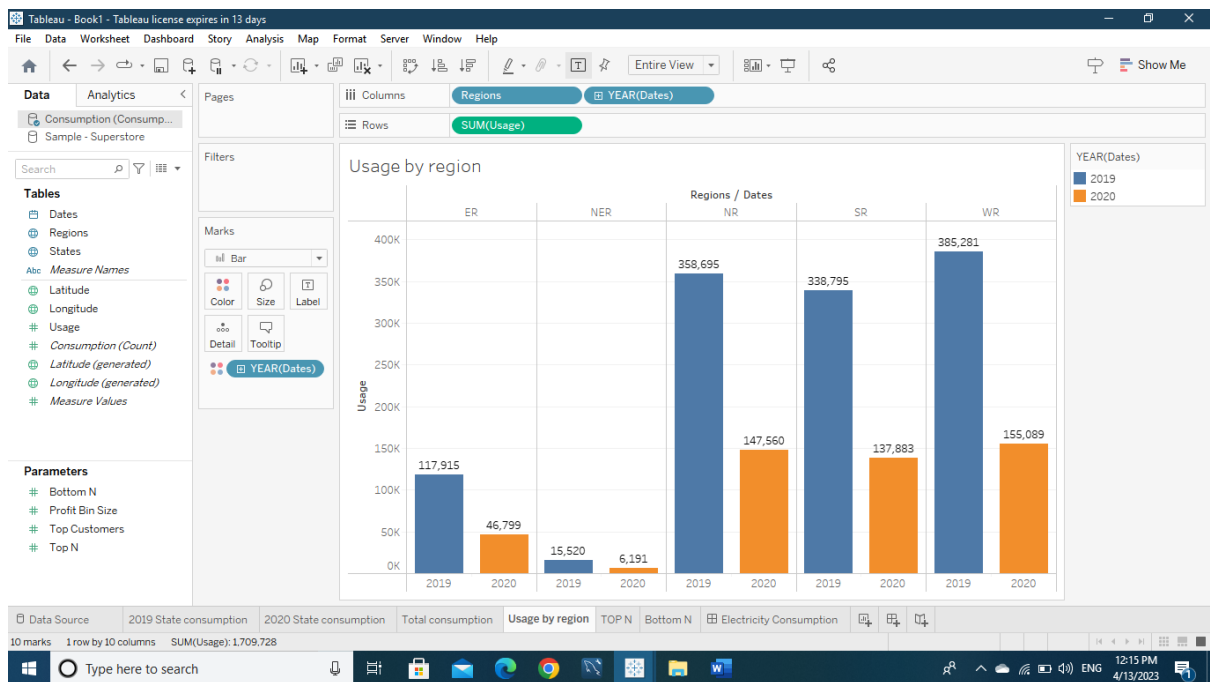
3.2 2020 State consumption :



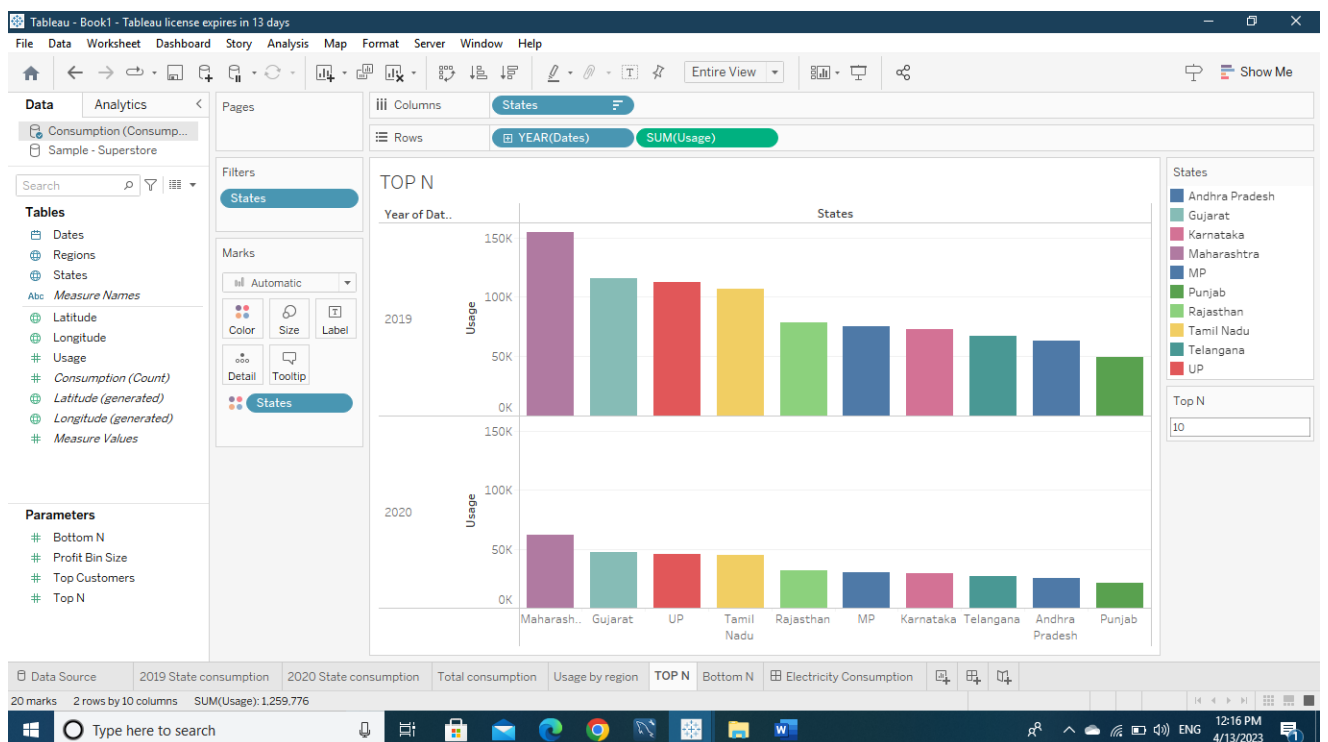
3.3 Total consumption :



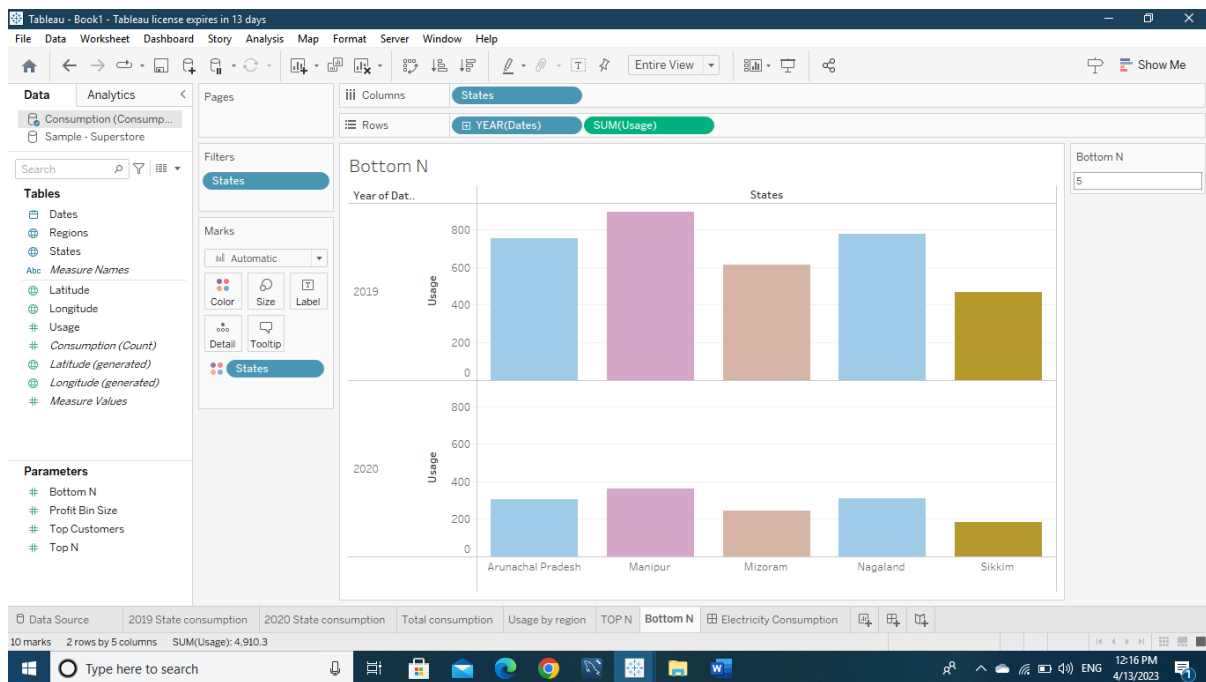
3.4 Usage by region:



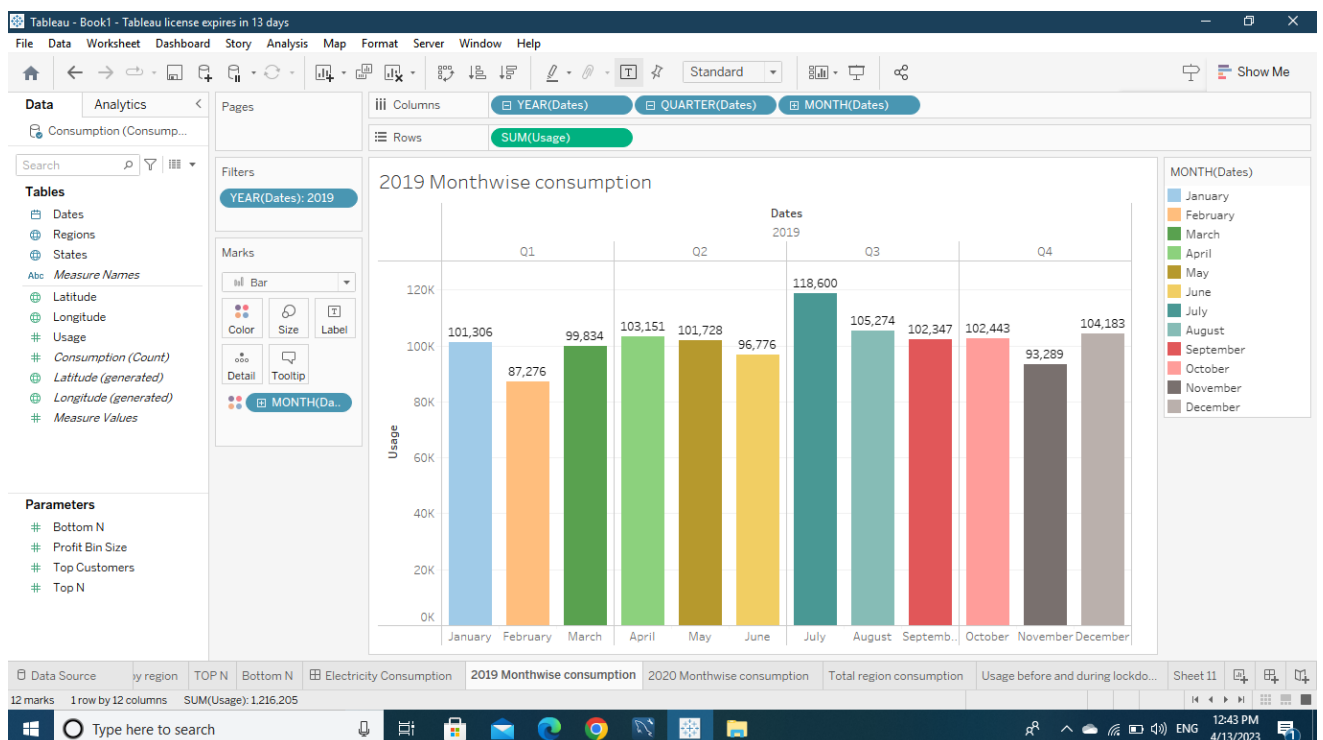
3.5 TOP N:



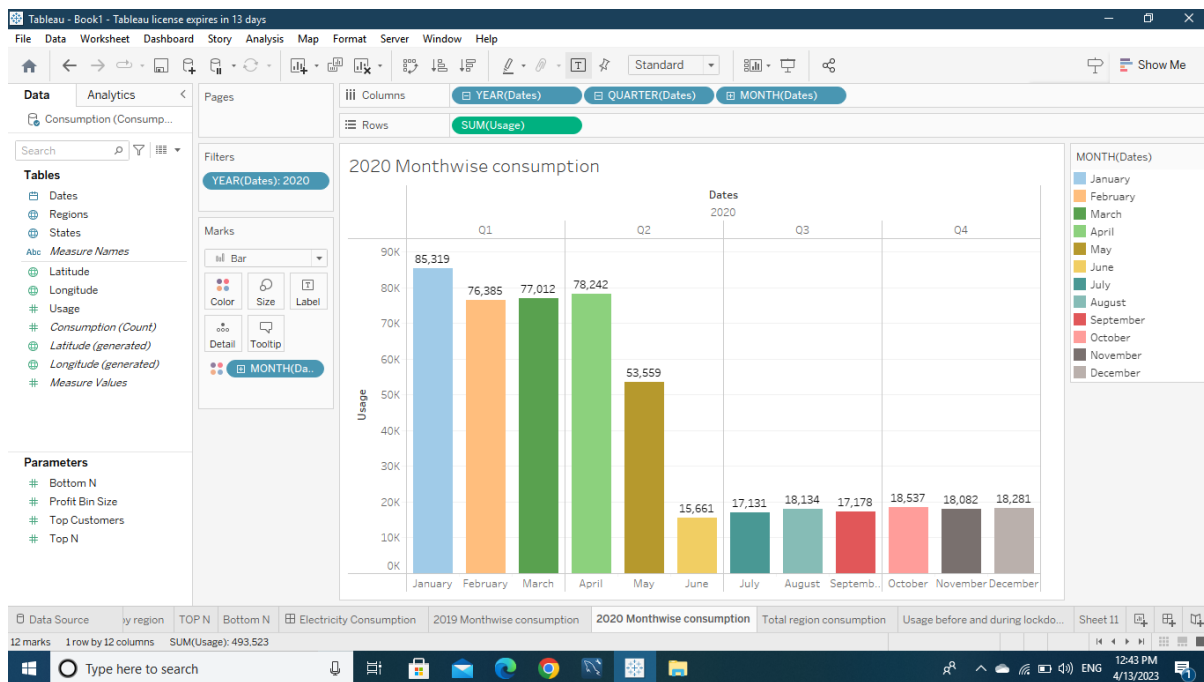
3.6 Bottom N :



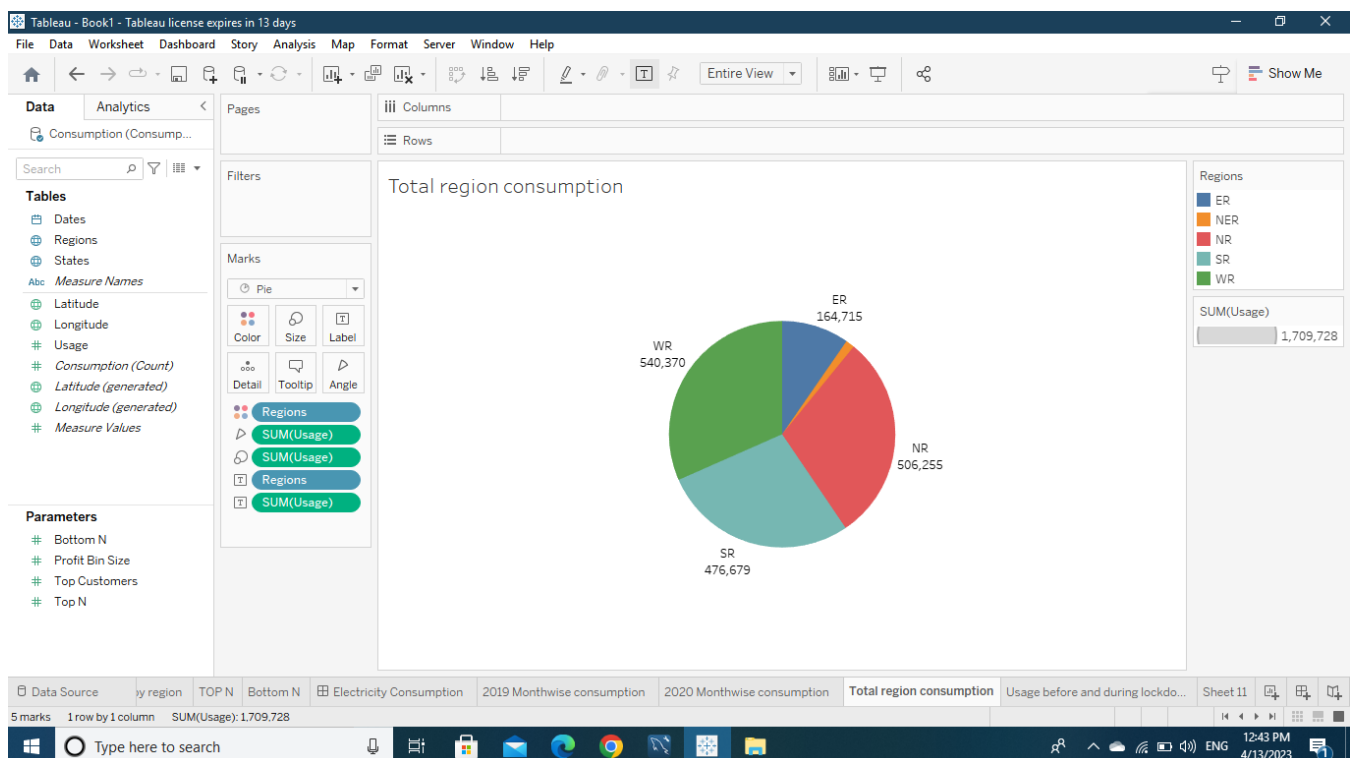
3.7 2019 Month wise consumption :



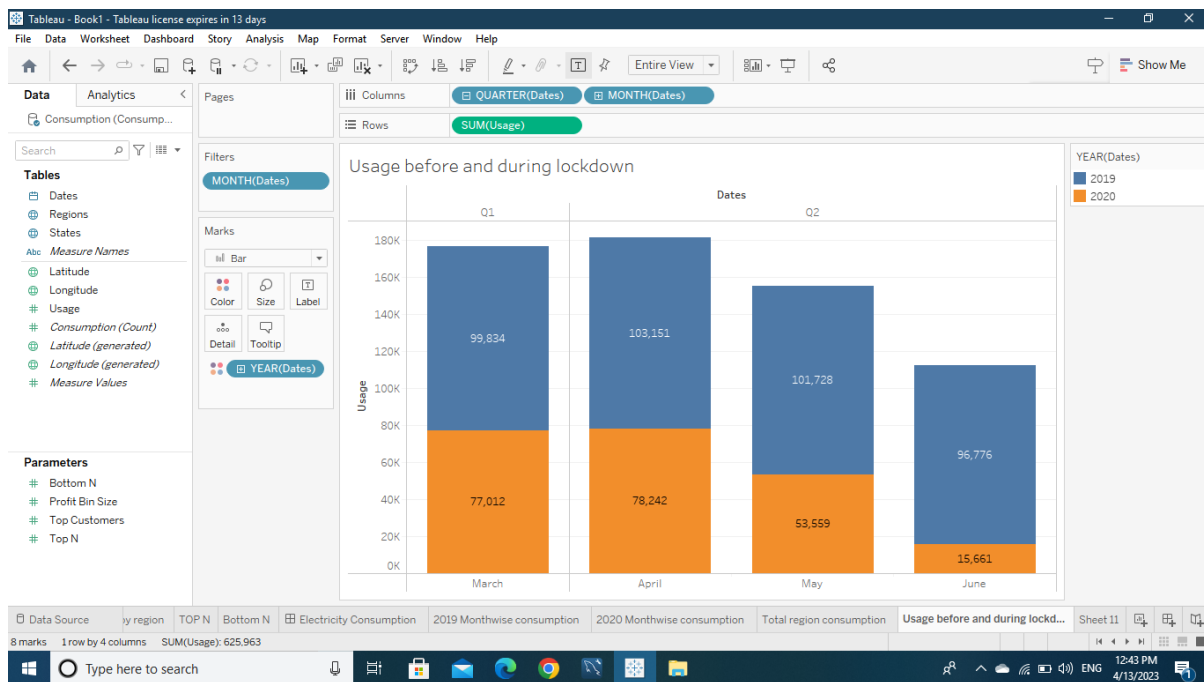
3.8 2020 Month wise consumption :



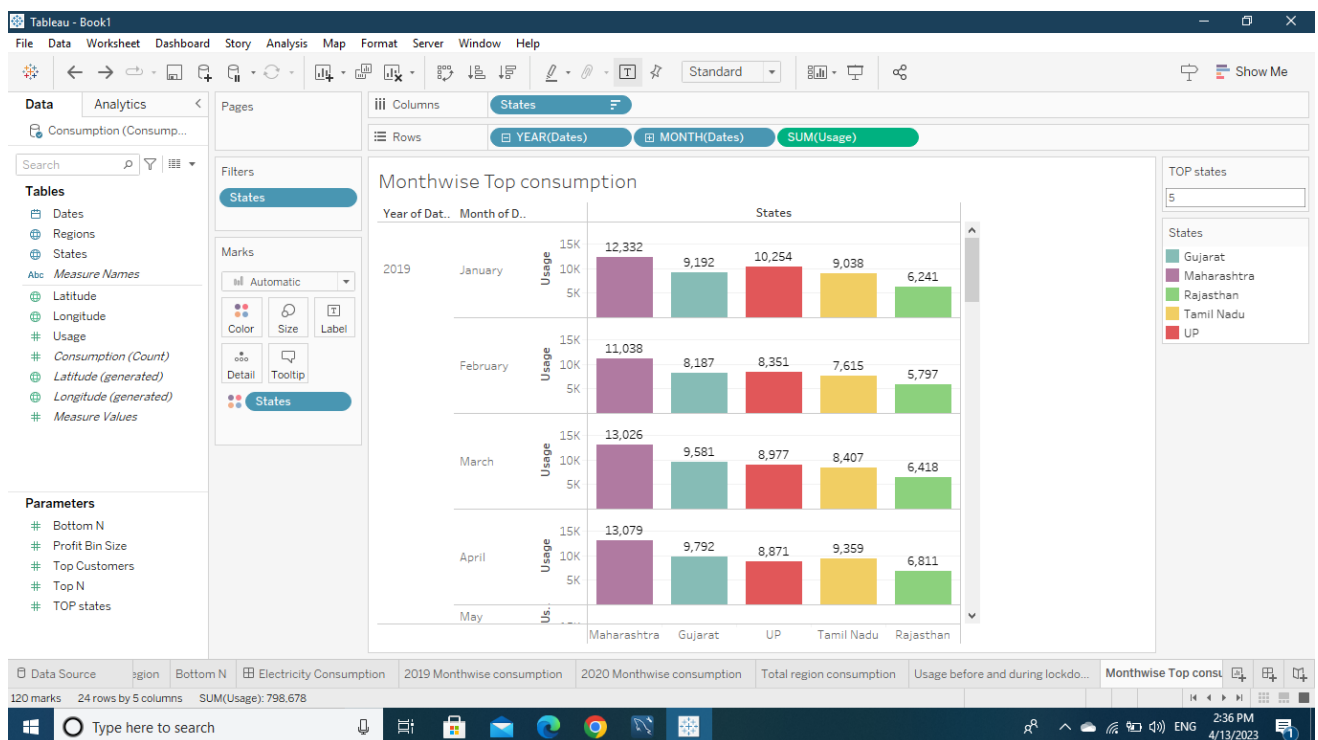
3.9 Total region consumption :



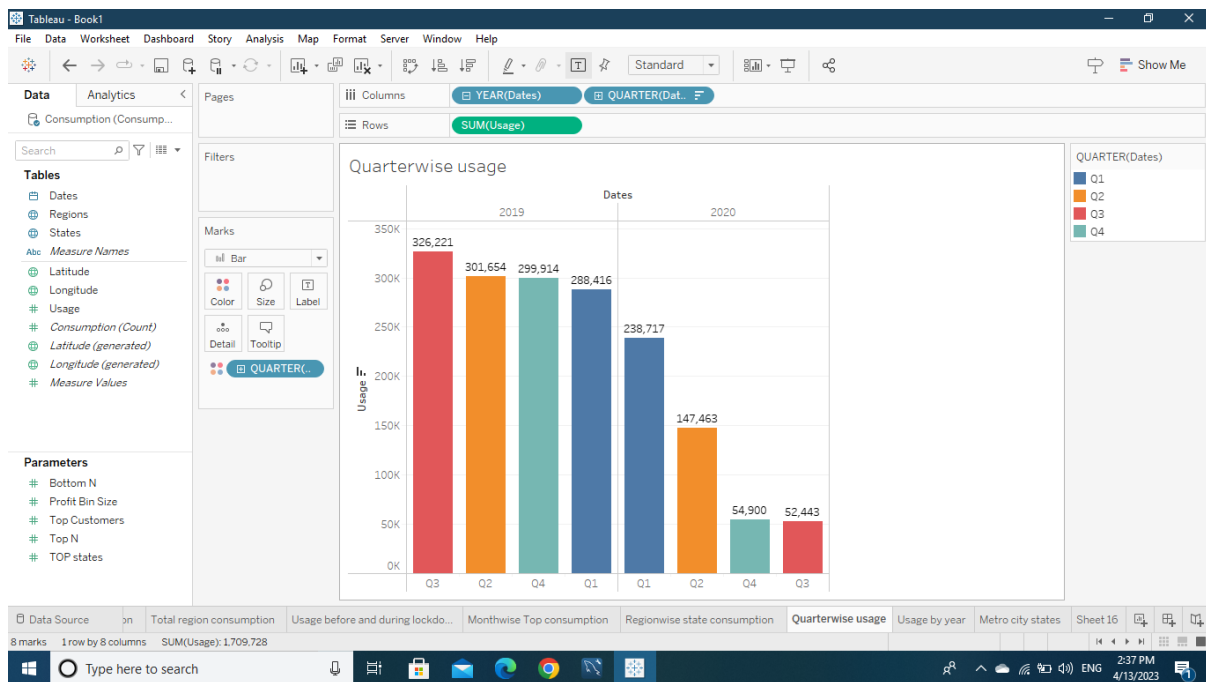
3.10 Usage Before and during lockdown :



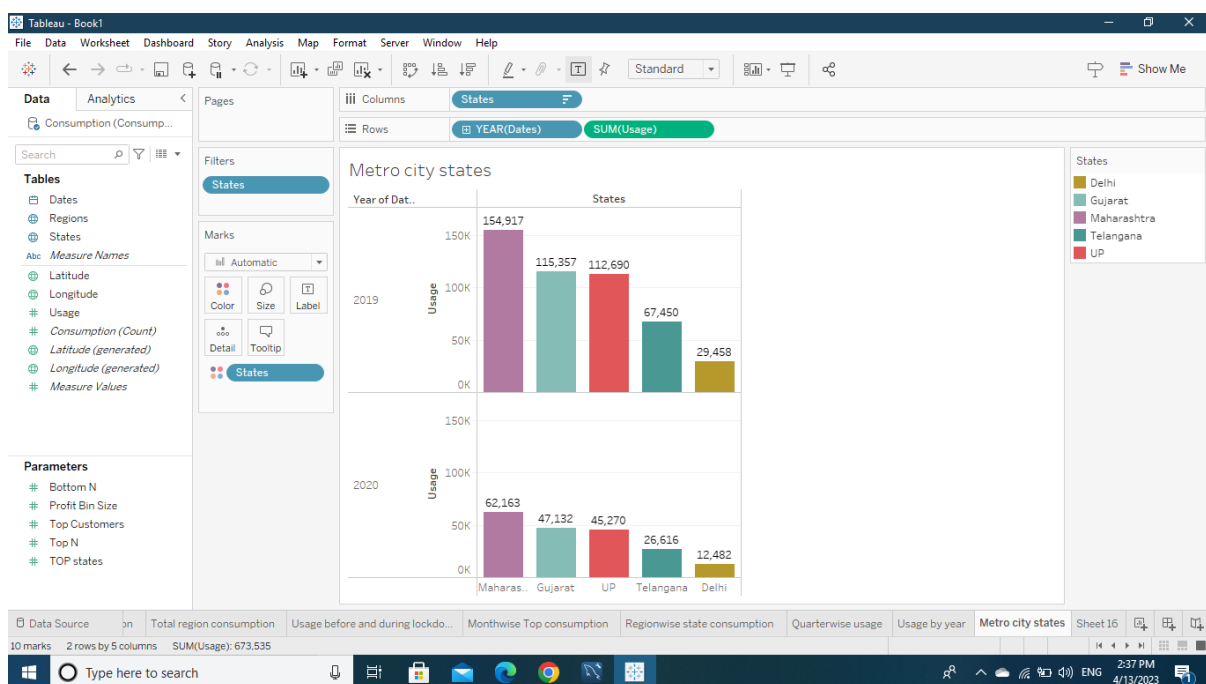
3.11 Month wise TOP consumption:



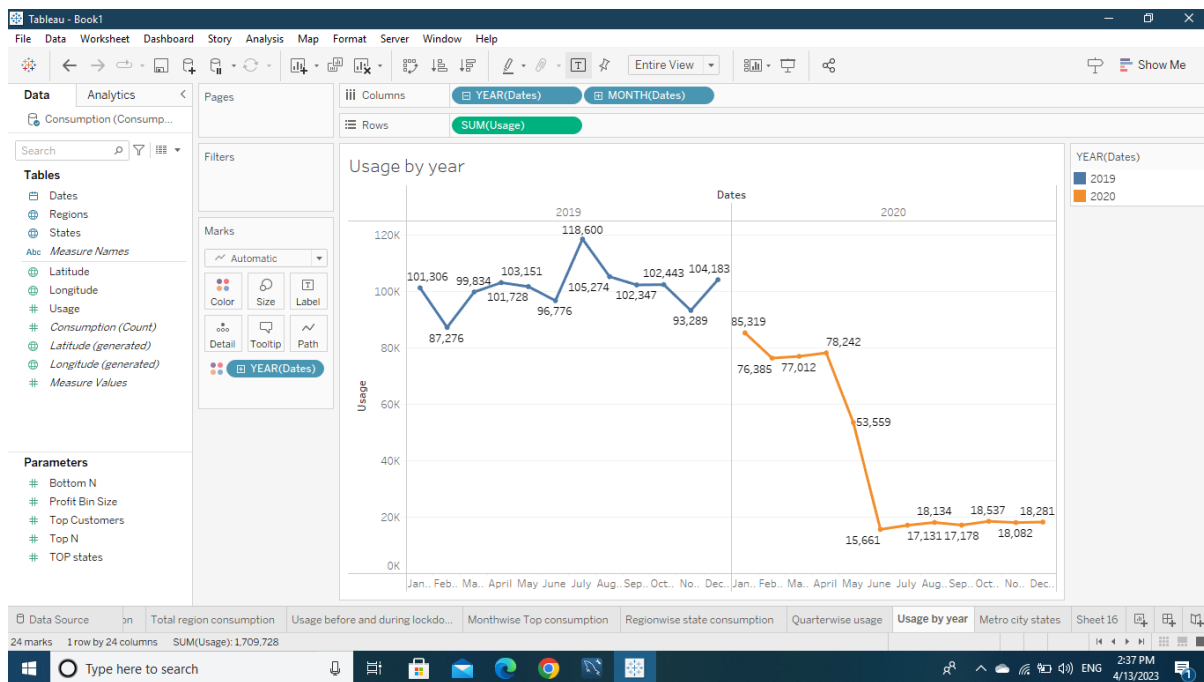
3.12 Quarter wise usage :



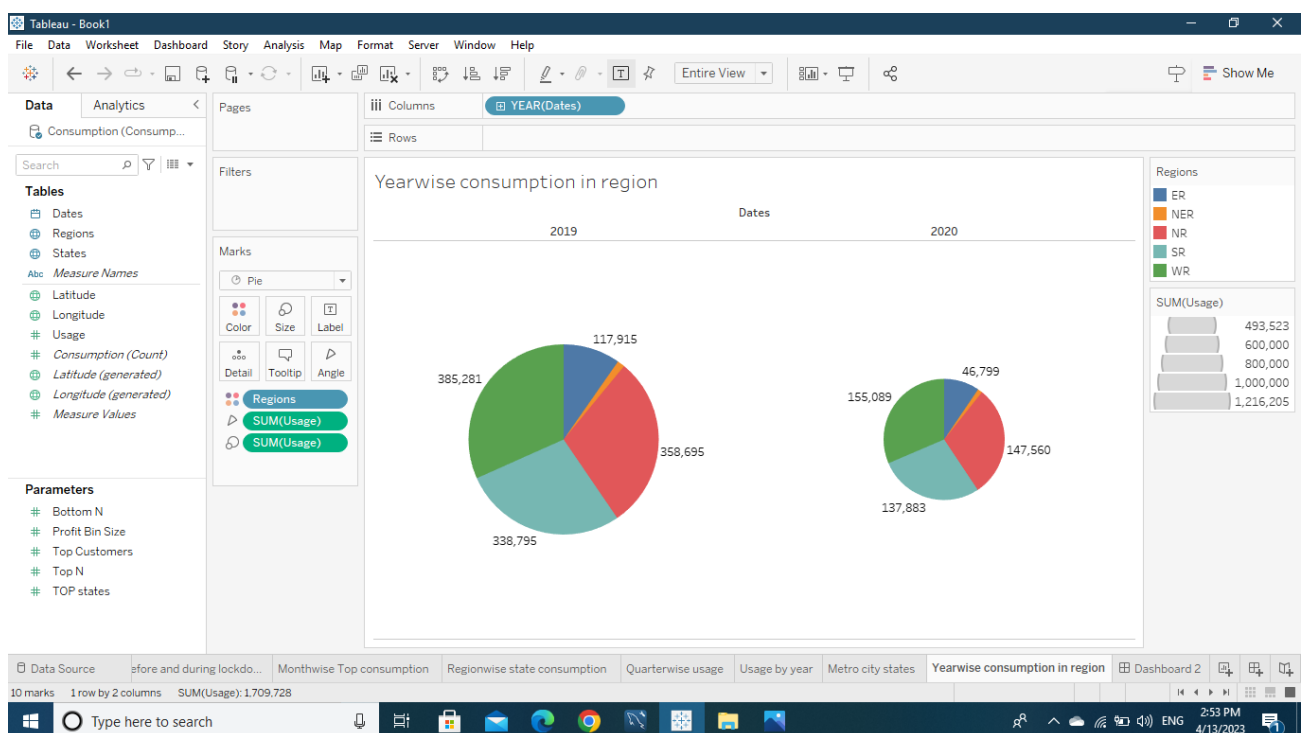
3.13 Metro city states:



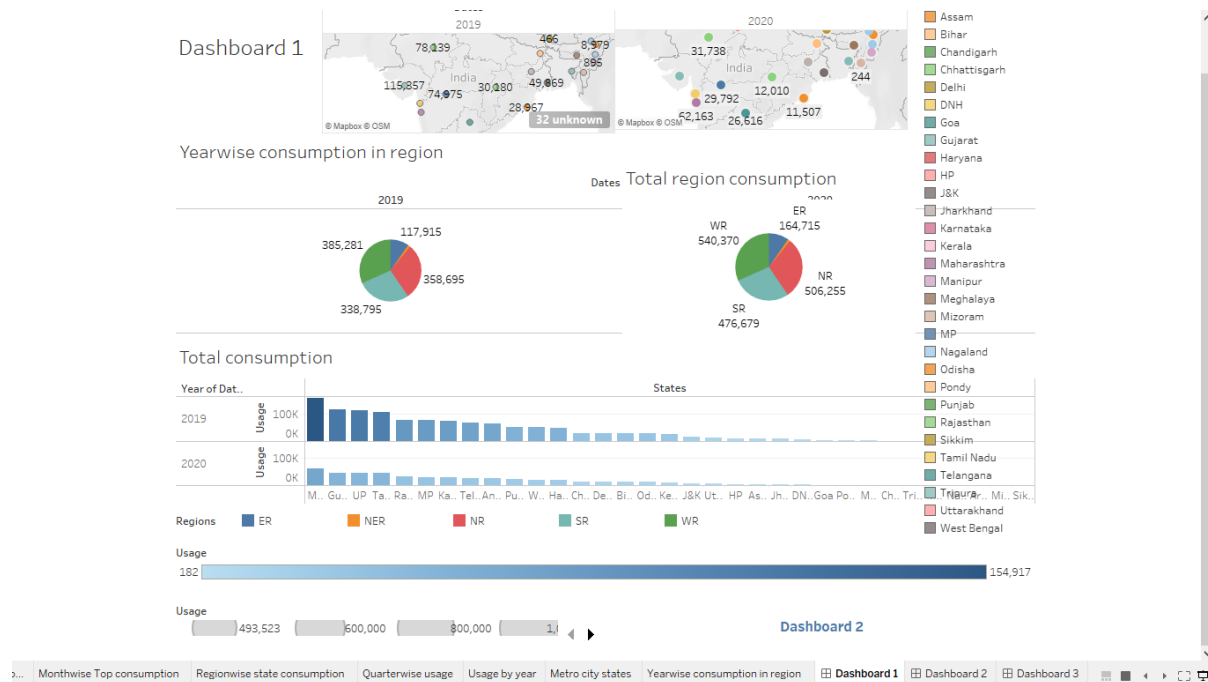
3.14 Usage by year:



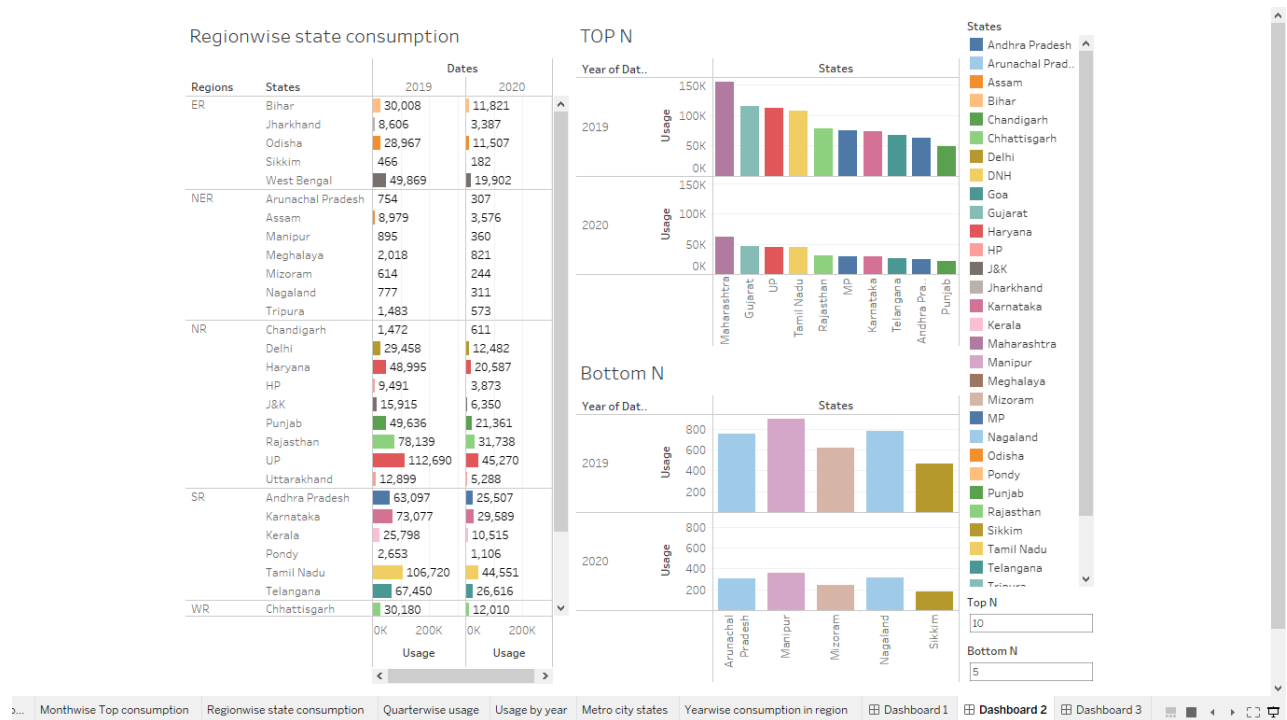
3.15 Year wise consumption in region:



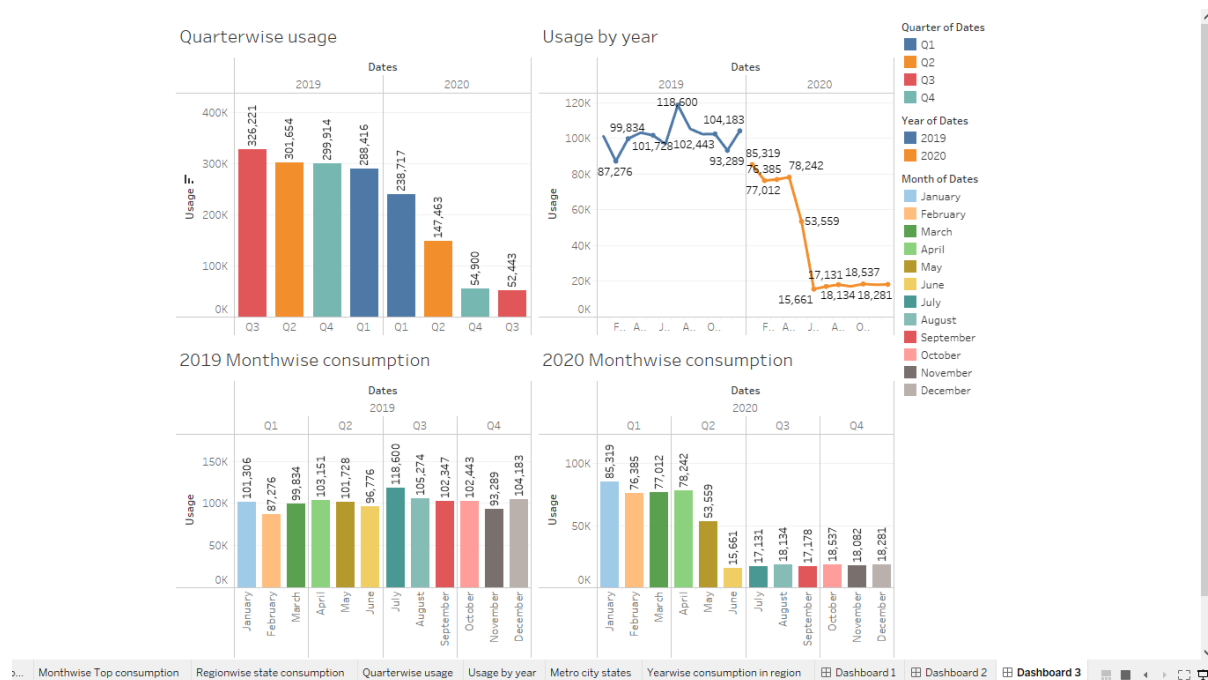
3.16 Dashboard 1:



3.17 Region wise state consumption:



3.18 Total quarter wise usage:



4. Advantages & disadvantages :

Advantages:

- It is a clean, safe, cheap and convenient source of energy
- Lower maintenance cost
- More efficient
- No tailpipe emission
- We all know that it can be set up in many sizes
- It doesn't require as many employees
- Reduces greenhouse emission
- Makes barely any pollution compare to other ways of creating or generating electricity
- Relatively low maintenance cost
- Hydroelectric station are inexpensive to operate
- Hydroelectricity produces no gas emissions or waste
- A station can operate and run for long periods of time
- It is renewable

Electric power has many advantages domestically and industrially, as most of the equipment run by electric power. Brightness in the night is only possible by the use of electricity. Almost all the factories and industries are running due to electric power. The advantage of electric power is its reliable and uninterrupted

supply runs the equipment efficiently and continuously. The transportation of electricity is easy once the transmission lines are functional. They work for years and need no or very less maintenance. The invention of electric power is one of the best inventions which have changed human life drastically. It allows people to do more leisure activities.

Disadvantages:

- More expensive than gasoline
- Loss of fish species
- Sometimes messes up wildlife
- Dependent on precipitation
- More power plants and more pollution
- Damming can cause loss of land suitable for agriculture as well as recreation
- Cost for construction
- Change in river or stream quality
- An electric vehicle is not completely emission free
- In electricity, there are a limited number of feasible sites for a large number of dams
- Drought can affect power production
- Hydroelectric natural seasonal changes in river and ecosystems can be destroyed

In the conventional system to generate electric power, coal is burnt to generate heat which boils the water to produce steam. The steam produced is used to run the turbines which in turn generate the electricity. This is a very old method to generate electricity which produces too much air pollution as a by-product. Due to the burning of coal, carbon monoxide, carbon dioxide, different oxides of sulphur and nitrogen are pumped into the atmosphere which pollutes it badly. As carbon dioxide is the greenhouse gas and its excessive presence in the atmosphere raises the earth's temperature.

Distribution of electric power is in two types of current, AC and DC. Alternating current is 3 to 4 times more dangerous as compared to direct current. It causes more muscle contraction as it reduces skin resistance by stimulating sweating.

5.Application:

electricity for lighting, heating, cooling, and refrigeration and for operating appliances, computers, electronics, machinery, and public transportation systems. The street lights on the road use electricity to function, even

the pool requires electricity to heat the water in colder regions. The lawnmower, which is used to cut grass, uses electricity to operate. The water sprinkler for the grass on the lawn uses electricity as well.

- Cooling and heating: 47% of energy use.
- Water heater: 14% of energy use.
- Washer and dryer: 13% of energy use.
- Lighting: 12% of energy use.
- Refrigerator: 4% of energy use.
- Electric oven: 3-4% of energy use.
- TV, DVD, cable box: 3% of energy use.
- Dishwasher: 2% of energy use.

6.Conclusion:

Current through a given area of a conductor is the net charge that passes per unit time through the conductor. To keep up a gradual current, we must have a circuit within which an electrical phenomenon occurs from lower to higher mechanical energy. The supply of energy on Earth is not infinite. Furthermore, **it can take a long time to regenerate energy.** This makes energy conservation even more important.

It should be saved because it's not at all free. Energy conservation is the effort made by us to reduce the consumption of energy by using less of an energy service or using renewable en

7.Future scope:

In the Stated Policies Scenario, **global electricity demand grows at 2.1% per year to 2040**, twice the rate of primary energy demand. This raises electricity's share in total final energy consumption from 19% in 2018 to 24% in 2040. Electricity demand growth is set to be particularly strong in developing economies. The Indian power sector is forecasted to attract investments worth \$128.24-135.37 Bn between FY19-23. The future of the sector looks bright since **by 2026-27 the country's power generation installed capacity will close to 620 GW, of which 38 % will be from coal and 44% from renewable energy sources.**

Energy conservation can be achieved in two different ways that include **reducing the amount of primary energy consumed to supply the useful energy requirement (energy efficiency), and reducing the end point use of nonessential ene**New resources that are being researched or developed include **hydrogen, nuclear fusion, ocean thermal energy conversion, and tidal and wave energy.** (Solar, wind, and geothermal energy are dealt with in separate fact sheets). One fuel that has the potential of being widely used in the future is hydrogen gas (H₂). **Global electricity generation will increase between 123% and 150% by 2050.** Global electricity generation will increase between now and 2050: In 2010, global electricity production was 21.5 billion MWh globally. In Jazz, this is expected to increase by 150% to 53.6 billion MA good model for predicting the demand for electricity requires to analyze the following types of variables: **Calendar data: Season, hour, bank holidays, etc. Weather data: Temperature, humidity, rainfall, etc. Company data: Price of electricity, promotions, or marketing campaigns.**Wh by 2050.

8.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 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,400,400i,600,
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0i,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"
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  <link href="assets/vendor/bootstrap-icons/bootstrap-icons.css"
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  <link href="assets/vendor/boxicons/css/boxicons.min.css" rel="stylesheet">
  <link href="assets/vendor/glightbox/css/glightbox.min.css"
rel="stylesheet">
  <link href="assets/vendor/swiper/swiper-bundle.min.css" rel="stylesheet">

  <!-- Template Main CSS File -->
  <link href="assets/css/style.css" rel="stylesheet">

  <!-- =====
  * Template Name: Bikin - v4.9.1
  * Template URL: https://bootstrapmade.com/bikin-free-simple-landing-page-
template/
  * 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"></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">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="#features">Conclusion</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 d-flex flex-column align-items-center justify-
content-center" data-aos="fade-up">
        <h1>Analysis on Electricity Consumption In India</h1>
        <h2>India is the third largest producer of electricity in the
world. During the fiscal year (FY) 2019-20, the total electricity generation
in the country was 1,598 TWh, of which 1,383.5 TWh generated by utilities. The
gross electricity consumption
            per capita in FY2019 was 1,208 kWh. </h2>
        <a href="#about" class="btn-get-started scrollto">Get Started</a>
    </div>

```

```

        
    </div>

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

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            <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.

```


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02t7htIZqoXx3dTnQc5YnVjVjy6SdPE6I0Na5IB59eUf2jT56104znPnj174p+hrj7IzhtCqqVjhxU
ZVILEnJ0AbZ2zkTBStXarSJWqaauD65fIbQ2TufZ1afLnJ2nfU2IUMCSMgDpN0pxpFVmOMrU0acjPt
Bc4+OYSbDnFeTVurao1dyNaoxTJU1chab+I8NWJH3NCuyDUtVnBURj0kAIRu0WrPx11qX9NQCWUZGR
vzHUTXtuMUNXUWCnfYnwBiZ7jiXS+6JrjdWRtoa/f08rUVRkMSWkkaNtvZG498y0qbLVqkhqZHG6o
sCNCjIfw3H0klccQVaTVV9cL0PPfGJiTitgDFKgeCEKGBzkEE4+efCSmVzinVk01pW0ppq71tkY5Zzhg5
z47beE9taNwxUMamC6a93HickMTyxj2dpYBfUzjDjcgDfmTyE8/tGlnGtc++NLGqPsrVFazqk1iC4
Dks+NPegeoc7ernJHhM7Uq6sNPeHDvhcvpI7w4Jb0D6v3vCTNXiCqiuvrKzIoxsPwBGrMVfjCJUNN
hg5QA+BLBj8PZhJsOcV2yJppW0V08LZ0jA0r29WxUsf800tNPOBnngSJfjdmBi2MKQOec507gdPwKj
TuVbThgdQyPMDYcWuyRnGXTNiIiQ2IiIAiIgFX7f29R7Jkpg6y9IDG+Aaign4AzX7Z3Qt0GuqnB0LT
X3nC/1mWupTDKVO4Iwfj0f8Y9G71m0m+qhM5CVAaun3HUPrNxkuE+j1KL5aXJy3gXGalpVFWmcHbUv
gw6Gdhv02FKpw2pcU2w2gpp/aV2GAD88yu/ZC3/GD/o//pPpFRM4BUXuFOMgUjg45ZHeeE7Te0Tuzj
FZI8UWC2AsOEZOzrSJPUu/XzyZxFblwSdRzzPxnU6vovrOul+IMw6NTYjbqDumD7IG/wCMH/R/84xz
hG+SzhKXgsHYRP0fh3fvgFleo22NgDj6CZ0w+Es3u3G1qzPwBPTfHwwJB/Zfw06f09t0Mae7bG0m08
xiPsvradH9oNpxjT3bYx0x3nKc3pbFjPkarjoqN/2gvqjMy3DlCxICtgAE7DbykUnE3DBnXUQc5I3y
N5fF9EjjcXgHuon/A0yb1P0aVBs12rjzo/z1z0xyYkjzy5Xy1ZL804pa8VtDRYgMVAZCc0rDky/EZ
ErFf0WVA36u4GnzBz9JI/ZcM5FxpPVUKn5h5tN2FusYHE6wHTDH/POKkov4s66XJfKJVOPdkqloiN+
ka87MMAY6YHPEtHotosBXYkkEom+YDH+YmFPRtVLZqXzOPH9WNX4i5/KXnhPDEt6Yp0xsNyTzJ8ST1
mp5k4abtmceBrJqqkYuLcMNBtHt0kONxnOoAfymvU4M2tnVgCwxgrkYKhT489pORP0ptKj0yxRk7ZX
TwF9BQVAawIOxHNQudj5cpnuODswTDBWRQurbztjcb7jbkcbyiXWylFFEdX4ar1Q7AMaHXBHiTnM1r
jg2okqwHrhwnWn1040DmTUSKTRp44vtECnAcAjUnzTPI/sPqPM+OZ8VeAEsw1762YDBHntWCQc+MsM
S7jM7MPRF804X3RLZByMYGeeSeZpNPh+Dgqy5GpqmvVjfgSNj6YkvEmp3ZrbjVUV224Uxy+dJD5QMO
SDPqkdMsx+U+6PA2AOWXJ0kYXbKuW5Z5byfiXcZlYokS3Ci1KojMM1CSSBs0WwGfKfVbhY9U0wqMrB
uWx2K7+PIyUiZ1M1torz9nSchXg4Y7DbWSSGA8smet2f3IDDSdJ31c1XGwBx5yWRNbkvZnZh6I6tw/
VRWmGwU0EHG2UII26bTVr8IZyWZl1F10wOkBQRjnn9oybiZUmjTxxfZXf9nz98cgBt00+f7v1m3wmz
KvUc5wSVUEYwucnHkWJ+QkvE05tqmZjijF2j2IiY0oiIgCIiAiIiAiIgCIiAiIiAiIgCIiAiIiAiIg
CIiAiIiAiIgCIiAiIiAiIgCIiAiIiAiIgCIiAiIiAiIgCIiAiIiAiIgCIiAiIiAiIgCIiAiIiAiIgC
IiAiIiAiIgCIiAiIiAiIgCIiAiIiAiIgCIiAiIiAiIgCIiAiIiAiIgCIiAiIiAiIgCIiAiIiAiIgCI
iAiIiAiIgCIiAiIiAiIgCIiAiIiAiIgH//2Q=="

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

</div>

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

</div>


```

        <param name='static_image'
value='https://public.tableau.com/static/images/Pr/Proj1_16710007367810/StoryonElectricityConsumptionInIndia1.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' />
        <param name='showShareOptions' value='false' />
    </object>
</div>
<script type='text/javascript'>
    var divElement =
document.getElementById('viz1671000792400');
    var vizElement =
divElement.getElementsByTagName('object')[0];
    vizElement.style.width = '100%';
    vizElement.style.height = (divElement.offsetWidth * 0.75)
+ 'px';

    var scriptElement = document.createElement('script');
    scriptElement.src =
'https://public.tableau.com/javascripts/api/viz_v1.js';
    vizElement.parentNode.insertBefore(scriptElement,
vizElement);
</script>

</div>
</section>

<!-- ===== Features Section ===== -->

<!-- End Features Section -->

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

<!-- End Services 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">
                <div class='tableauPlaceholder'
id='viz1681741655507' style='position: relative'><noscript><a href='#'><img
alt='Usage by year '
src='https://public.tableau.com/static/images/V3/V3_16817412502580/Usagebyyear/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='V3_16817412502580/Usagebyyear' /><param
name='tabs' value='no' /><param name='toolbar' value='yes' /><param
name='static_image'
value='https://public.tableau.com/static/images/V3/V3_16817412502580/Usagebyyear/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('viz1681741655507');
                    var vizElement
= divElement.getElementsByTagName('object')[0];
                    vizElement.style.width='100%';vizElement.style.height=(divElement.offsetWidth
*0.75)+'px';
                    var scriptElement =
document.createElement('script');
                    scriptElement.src =
'https://public.tableau.com/javascripts/api/viz_v1.js';
                    vizElement.parentNode.insertBefore(scriptElement, vizElement);
                </script>

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

        <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">
        

        <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">
        

        <div class="portfolio-info">
            <h4>Image 6</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>
<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/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 Portfolio Section -->
<section id="features" class="features" 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">
                
            </div>
            <div class="col-md-7 pt-4" data-aos="fade-left" data-aos-
delay="100">
                <h3>Electricity Consumption Stats.</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>

    <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>Electricity Consumption before and during Lockdown
in India</h3>
            <p class="">
                Electricity consumption was more in 2019 in month
of March-June before Lockdown
            </p>
            <p>
                Electricity Consumption was less in 2020 in month
of March-June during the Lockdown
            </p>
        </div>
    </div>

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

```



```

</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">
                <!-- 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/bikin-free-simple-landing-page-
                template/ -->
                Designed by <a href="https://bootstrapmade.com/">Indra
                Prakash</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/php-email-form/validate.js"></script>

<!-- Template Main JS File -->
<script src="assets/js/main.js"></script>

</body>

</html>
```