

Visualization tool for Electric Vehicle Charge and Range Analytics

A Project Report

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IN

MATHEMATICS



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1. INTRODUCTION

1.1 Overview:

A vehicle that can be powered by an electric motor that draws electricity from a battery and is capable of being charged from an external source and have an electric motor instead of an internal combustion engine. The Electric Vehicle (EV) is not new, but it has been receiving significantly more attention in recent years. Advances in both EV analytics and battery technologies have led to increased automotive market share. However, this growth is not attributed to hardware alone. The modern mechatronic vehicle marries electrical storage and propulsion systems with electronic sensors, controls, and actuators, integrated closely with software, secure data transfer, and data analysis, to form a comprehensive transportation solution. Advances in all these areas have contributed to the overall rise of EV's, but the common thread that runs through all these elements is data analytics. The new EV's are combined Electrical storage and propulsion systems with electronic sensors, controls, and actuators, integrated closely with software, secure data transfer to form a comprehensive transportation solution.


1.2 USE OF THIS PROJECT:

This project used for "ELECTRIC VEHICLE" in problem defining, understanding the problem, specify the business problem, Requirements of business, literature survey and business impact. Through this project we learned how to do data preparation and how to visualize data produced. In this project helps for creating the dashboard and the story using the visualization. We learned how to upload the prepared dashboard and story to the web. Through this project have learned the charge and range analysis for electric vehicles. This project helps for how to handle many software. Also, this project contains many uses full details.

2. PROBLEM DEFINITION & DESIGN THINKING

2.1 EMPATHY MAP:

Template



Empathy map

Use this framework to develop a deep, shared understanding and empathy for other people. An empathy map helps describe the aspects of a user's experience, needs and pain points, to quickly understand your users' experience and mindset.

[Share template feedback](#)

Need some inspiration?
See a finished version of this template to kickstart your work.

[Open example](#)

Build empathy

The information you add here should be representative of the observations and research you've done about your users.

Says
What have we heard them say?
What can we imagine them saying?

Milage rate is low

Tesla and Nissan are the world's top selling EV's

This vehicles price is costly so I don't have enough cash with me right now

The warranty on vehicle is 3 years and on battery is 8 years

Batteries expenses are very high

This vehicle is not attractive to look at

No sufficient power bunks available

In India, 120-140 is the top speed of EV's

Thinks
What are their words, needs, hopes, and desires? What other thoughts might influence their behavior?

Alternative for gasoline vehicles

How do electric vehicles work?

Wants to find a car for a reasonable price

The buying requirements for electric vehicles are lower than the conventional petrol or diesel vehicles

ECO friendly


Is this car is comfortable?

Do not like vehicles that consume a lot of electricity

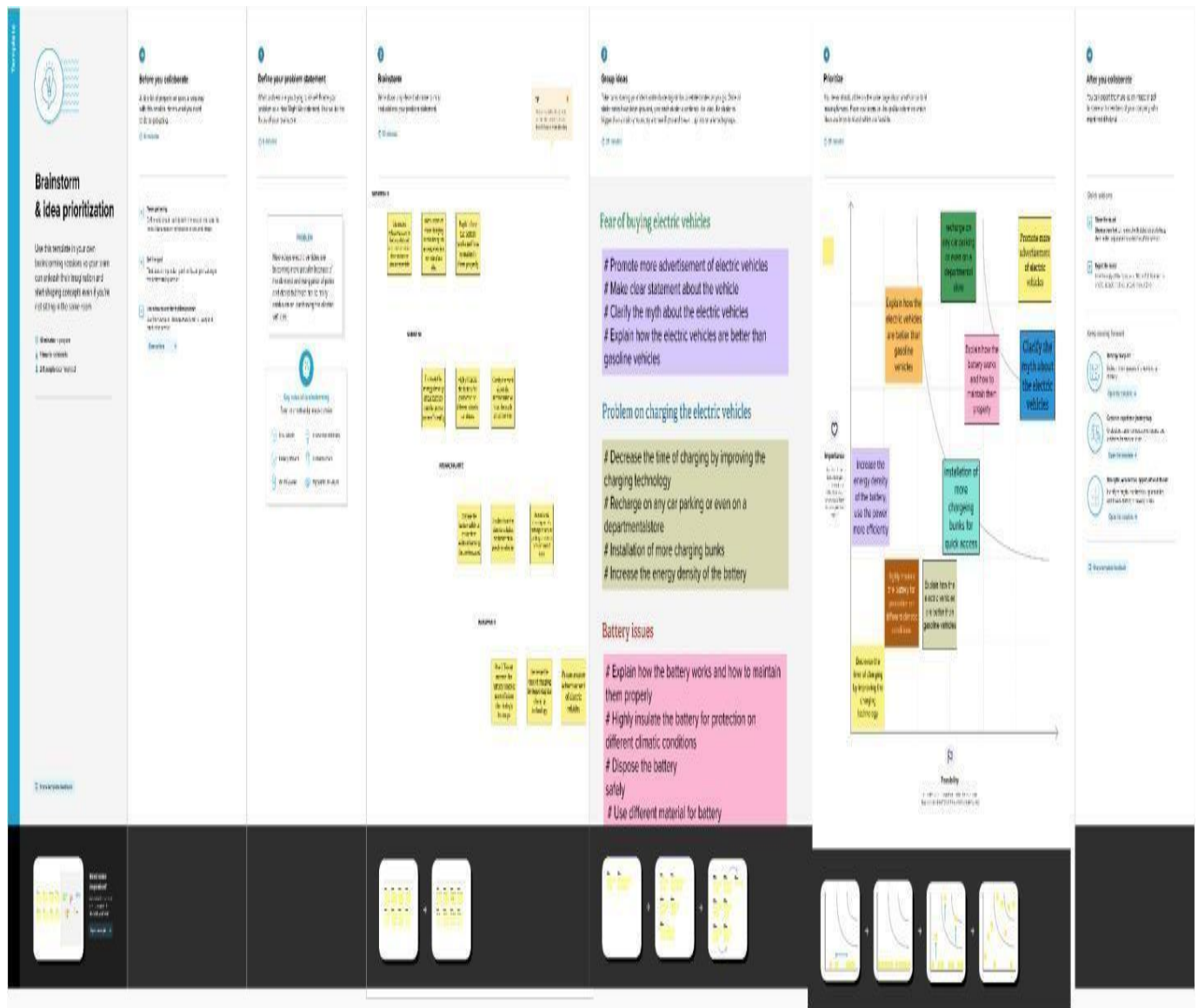
Vehicle speed is slow

Does
What behavior have we observed?
What can we imagine them doing?

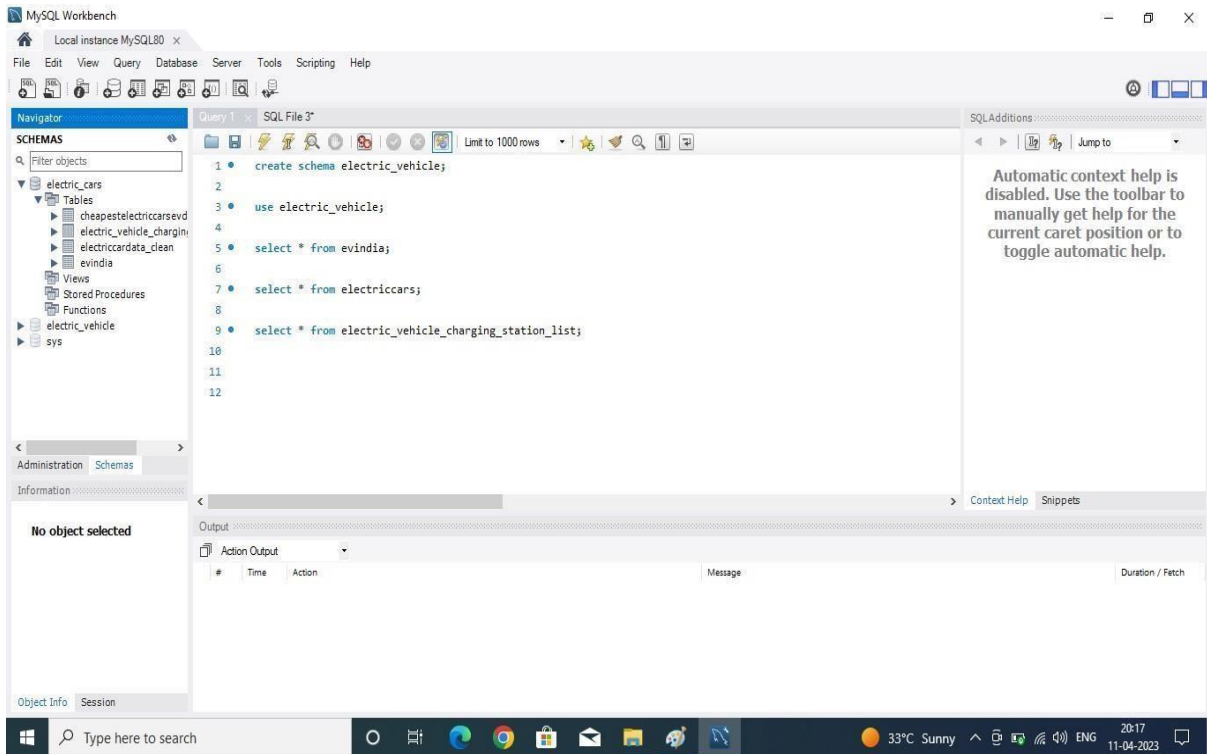
Feels
What are their fears, frustrations, and emotions? What are feelings, help it feel better or worse, and so on?



2.2 IDEATION & BRAINSTORMING MAP:



3. RESULTS



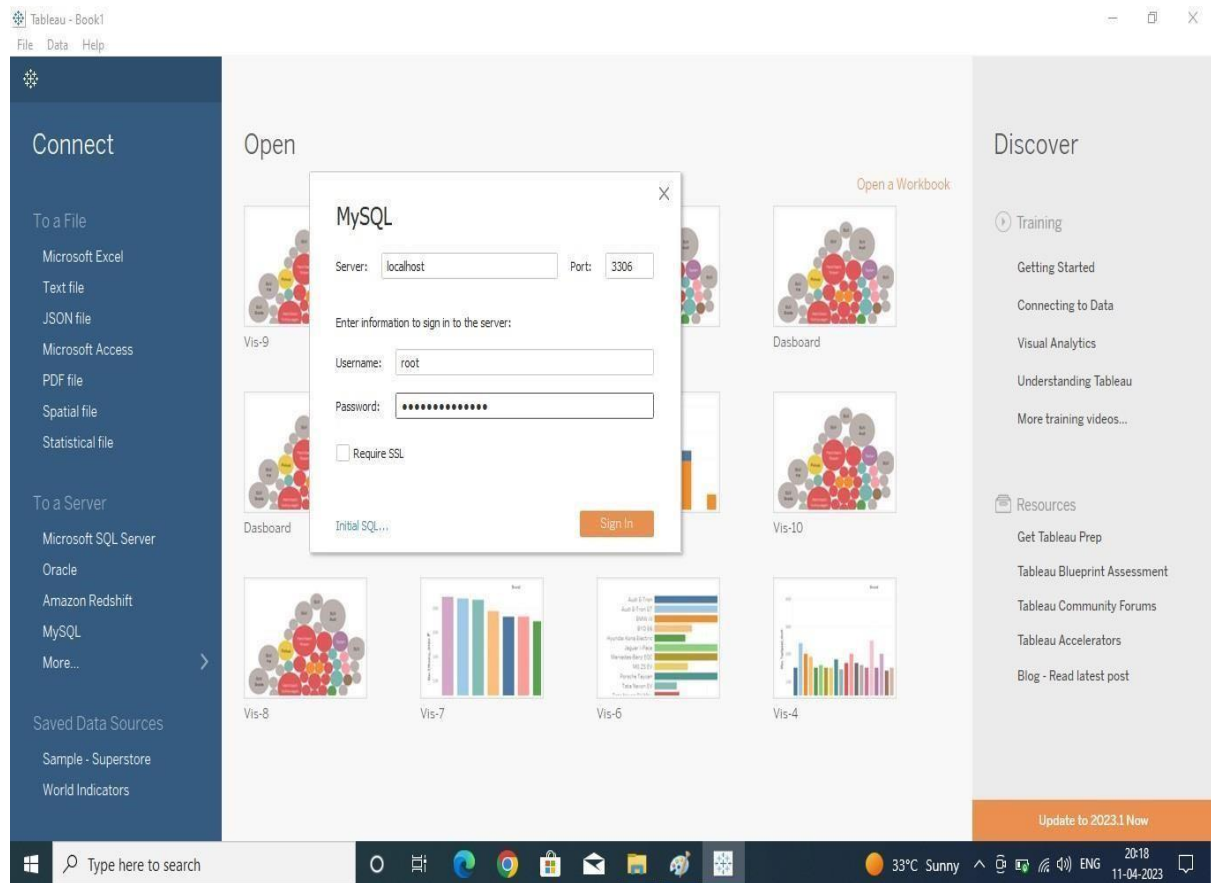


Tableau - Book1

File Data Window Help

electriccardata_clean (electric_cars)

Connection: ☒ Live ☐ Extract Filters: 0 Add

Connections: Add

localhost MySQL

Database: electric_cars

Table: cheapestelec...rsevdatabase, electric_vehic...g_station_list, electriccardata_clean, evindia, New Custom SQL, New Union

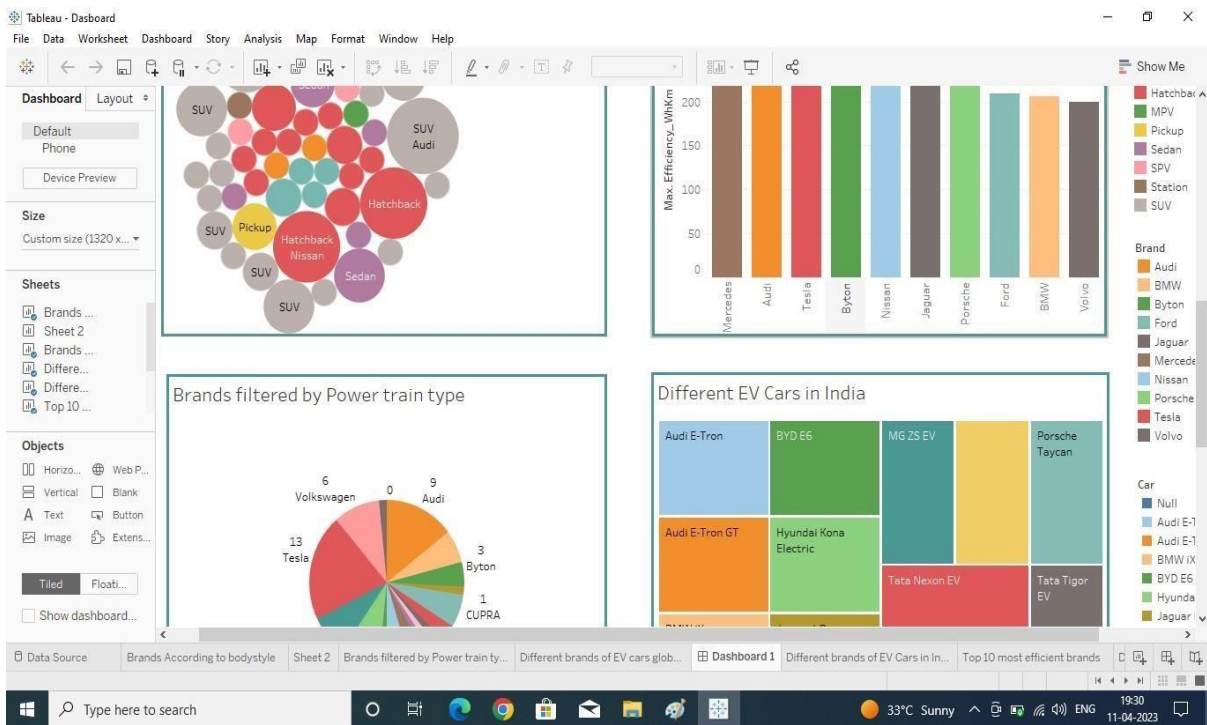
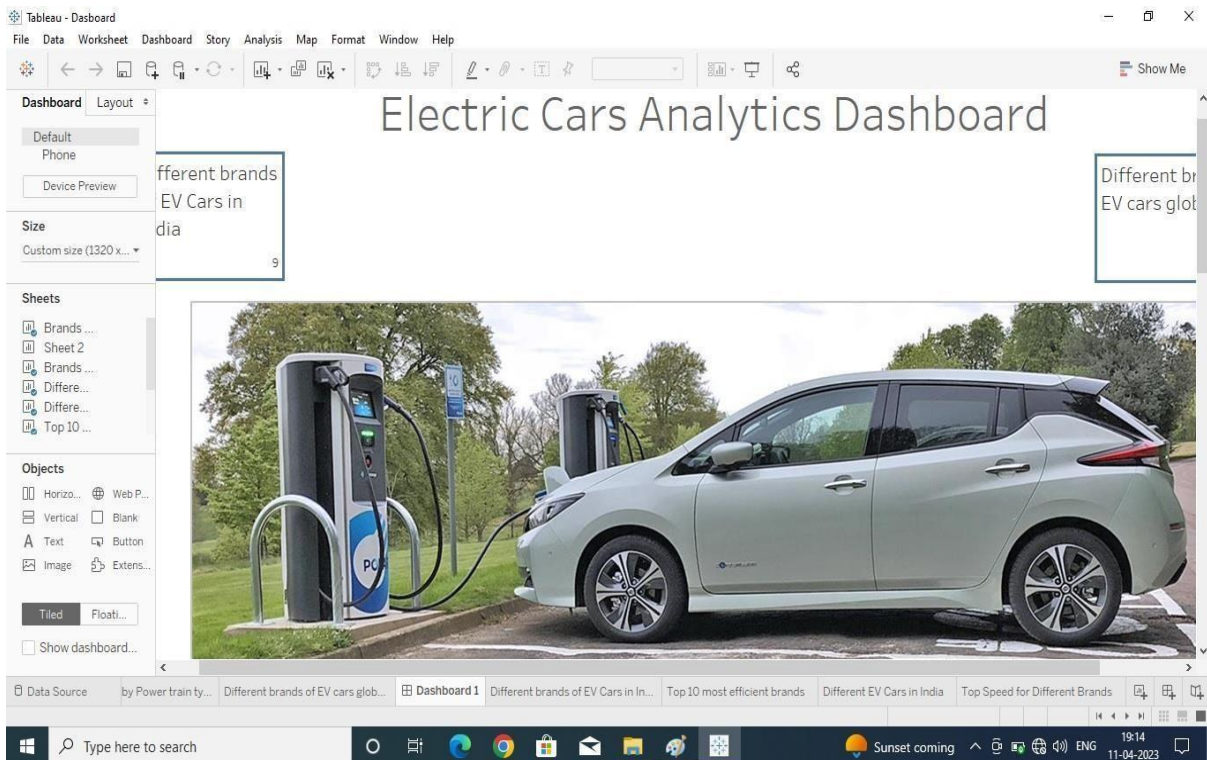
Sort fields: Data source order Show aliases Show hidden fields 98 rows

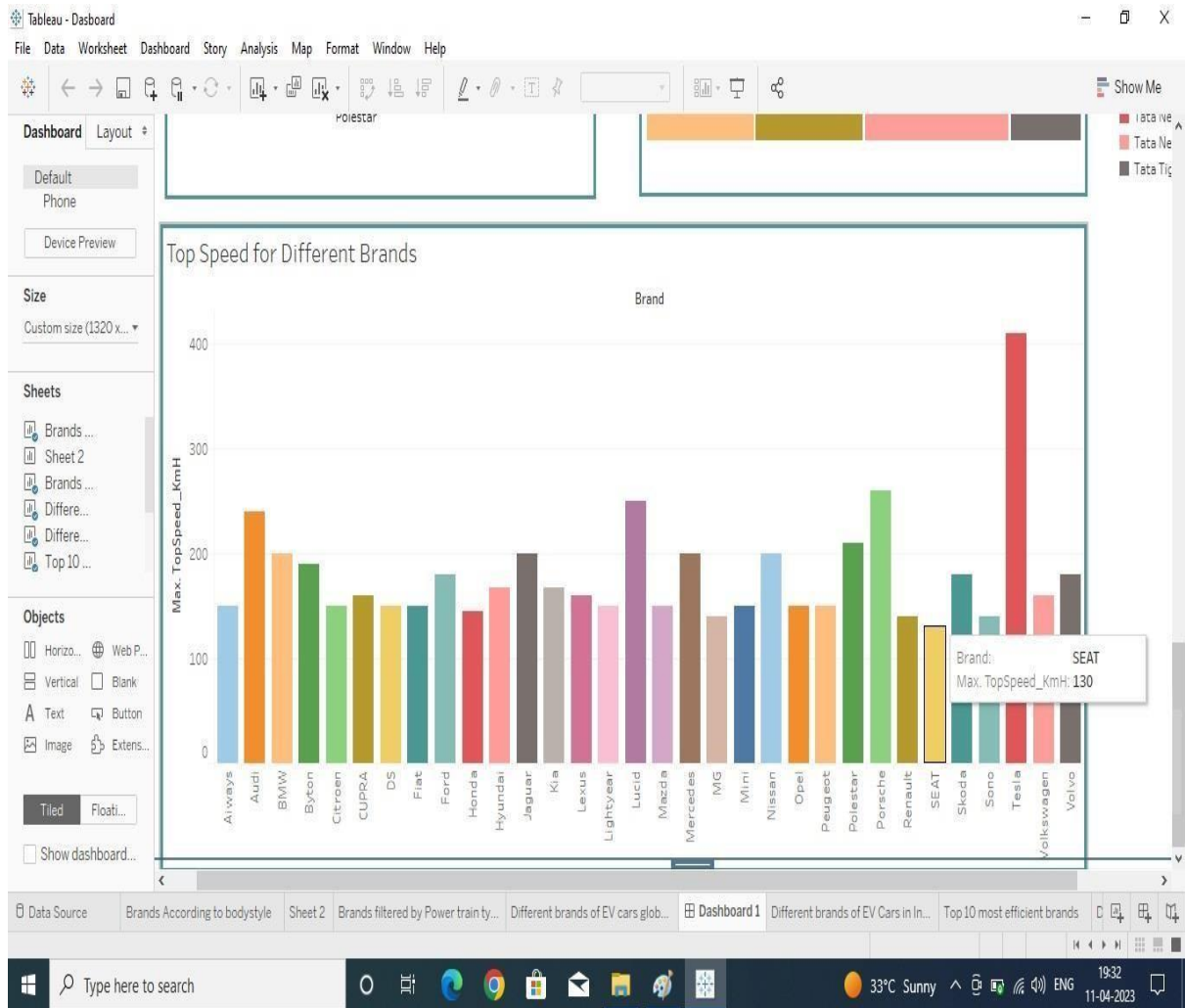
Brand	Model	AccelSec	TopSpeed_KmH	Range_Km	Efficiency_WhKm	FastCharge_KmH	RapidCharge	PowerTr
Tesla	Model 3 Long Range D...	4.6000	233	450	161	940	Yes	AWD
Volkswagen	ID.3 Pure	10.0000	160	270	167	250	Yes	RWD
Polestar	2	4.7000	210	400	181	620	Yes	AWD
BMW	iX3	6.8000	180	360	206	560	Yes	RWD
Honda	e	9.5000	145	170	168	190	Yes	RWD
Lucid	Air	2.8000	250	170	180	620	Yes	AWD
Volkswagen	e-Golf	9.6000	150	190	168	220	Yes	FWD
Peugeot	e-208	8.1000	150	275	164	420	Yes	FWD

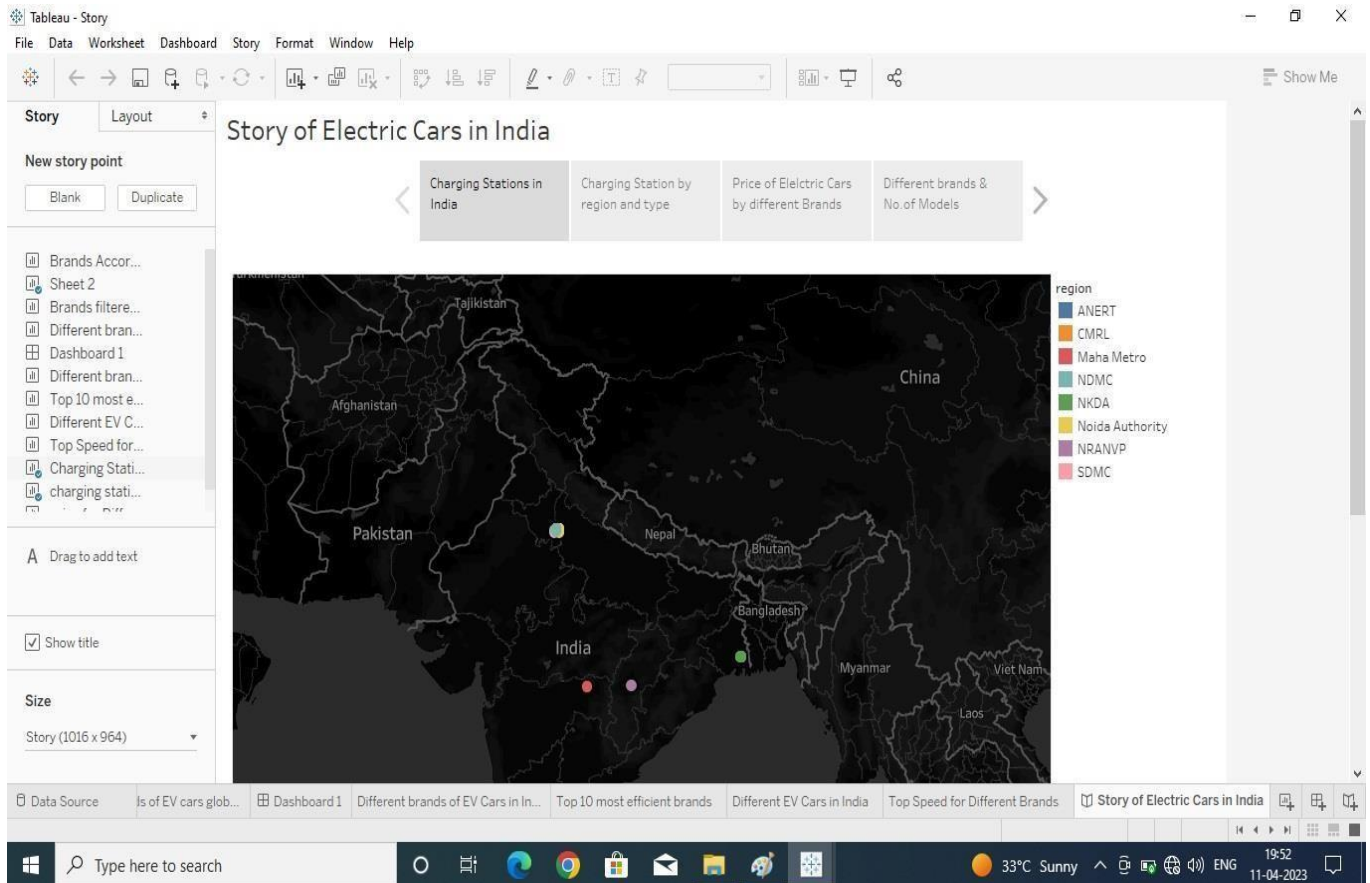
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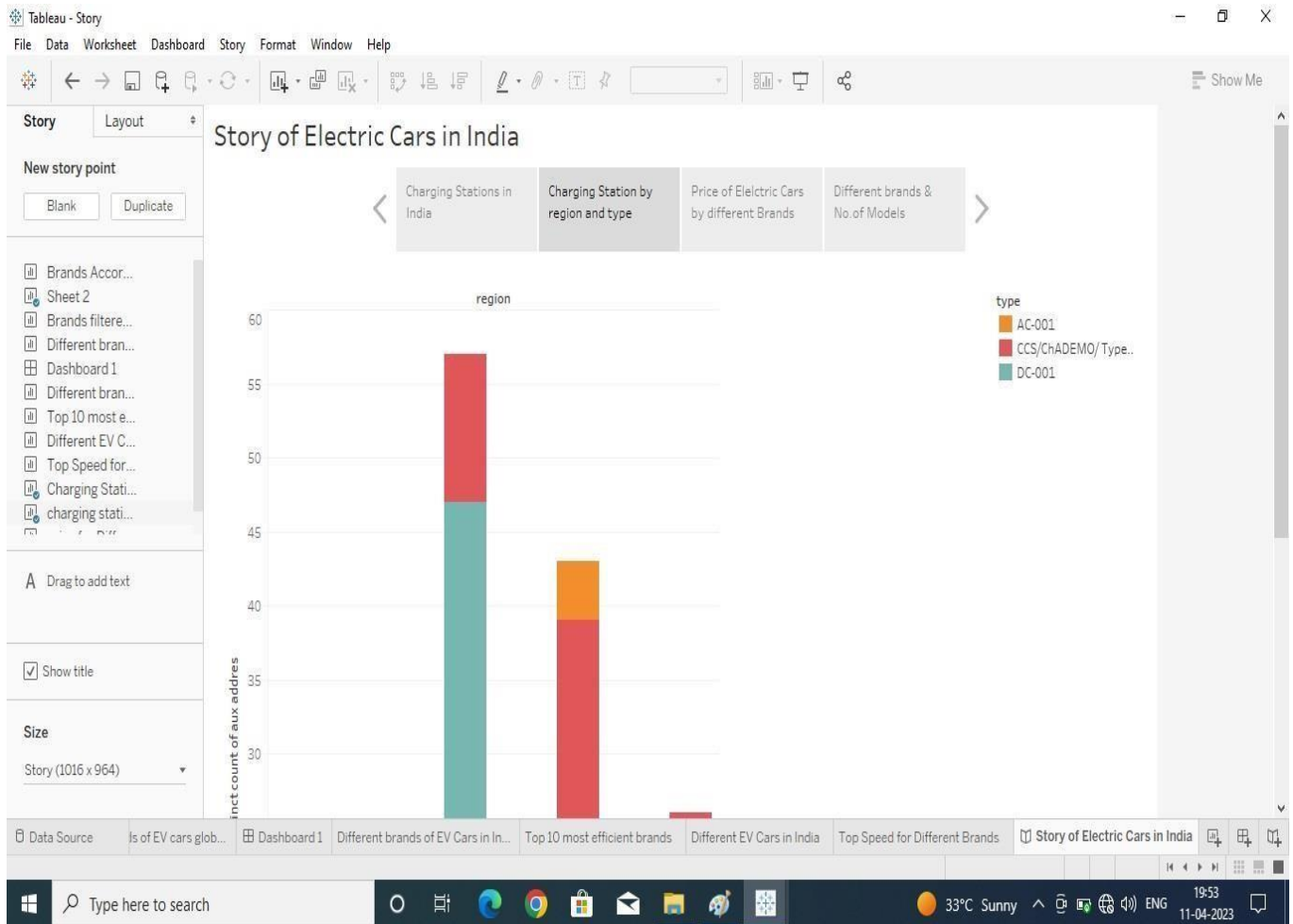
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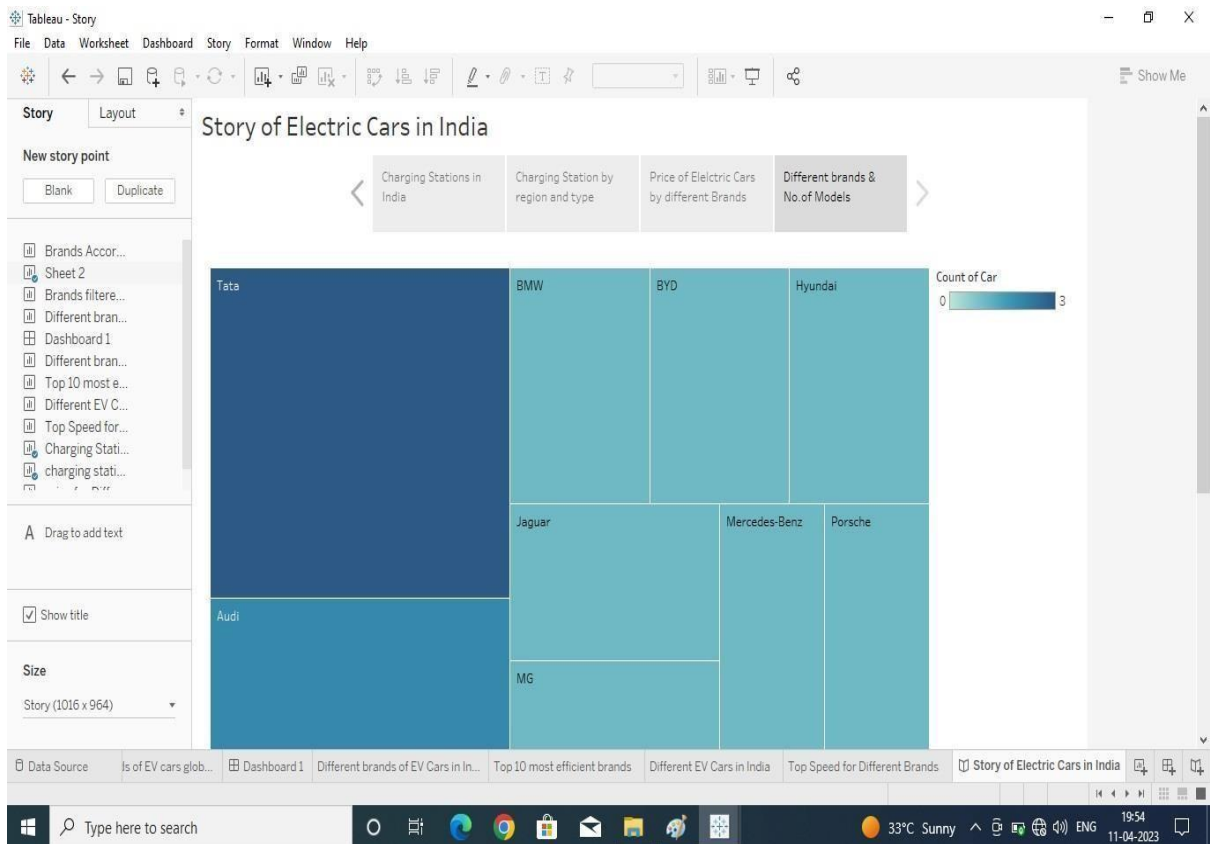
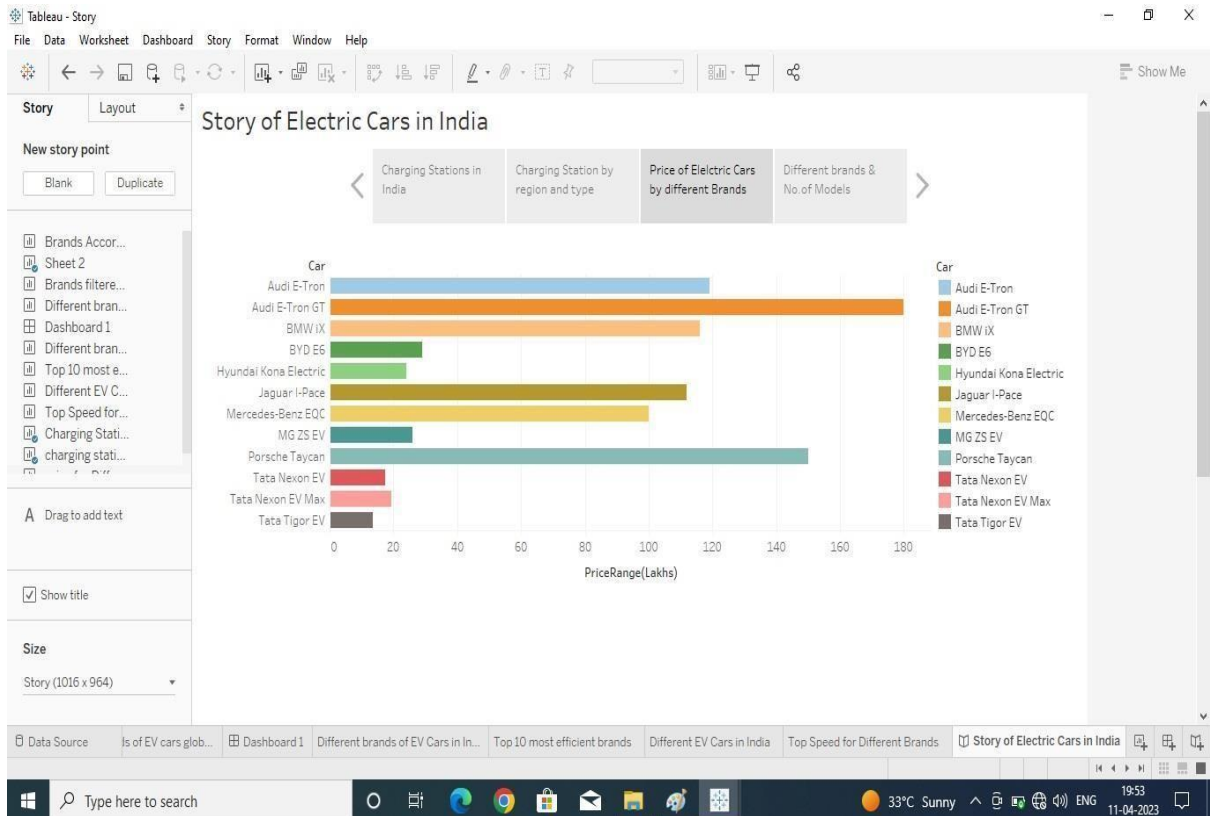
Windows taskbar: 20:20 11-04-2023

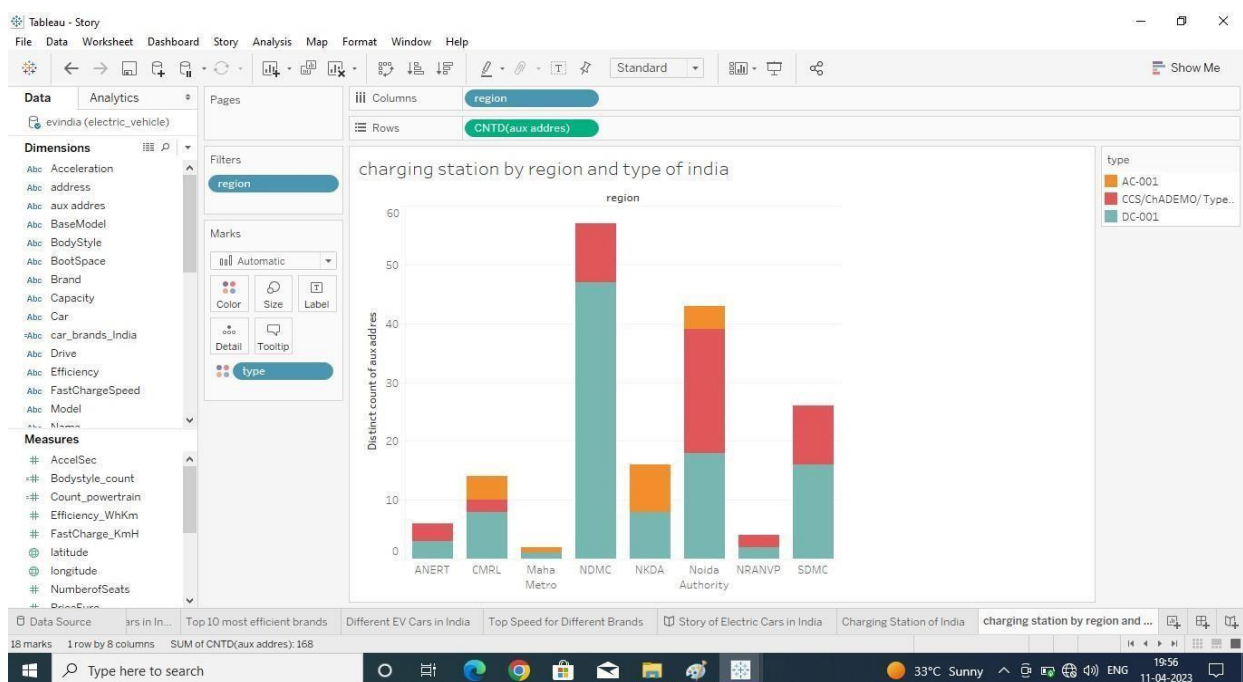
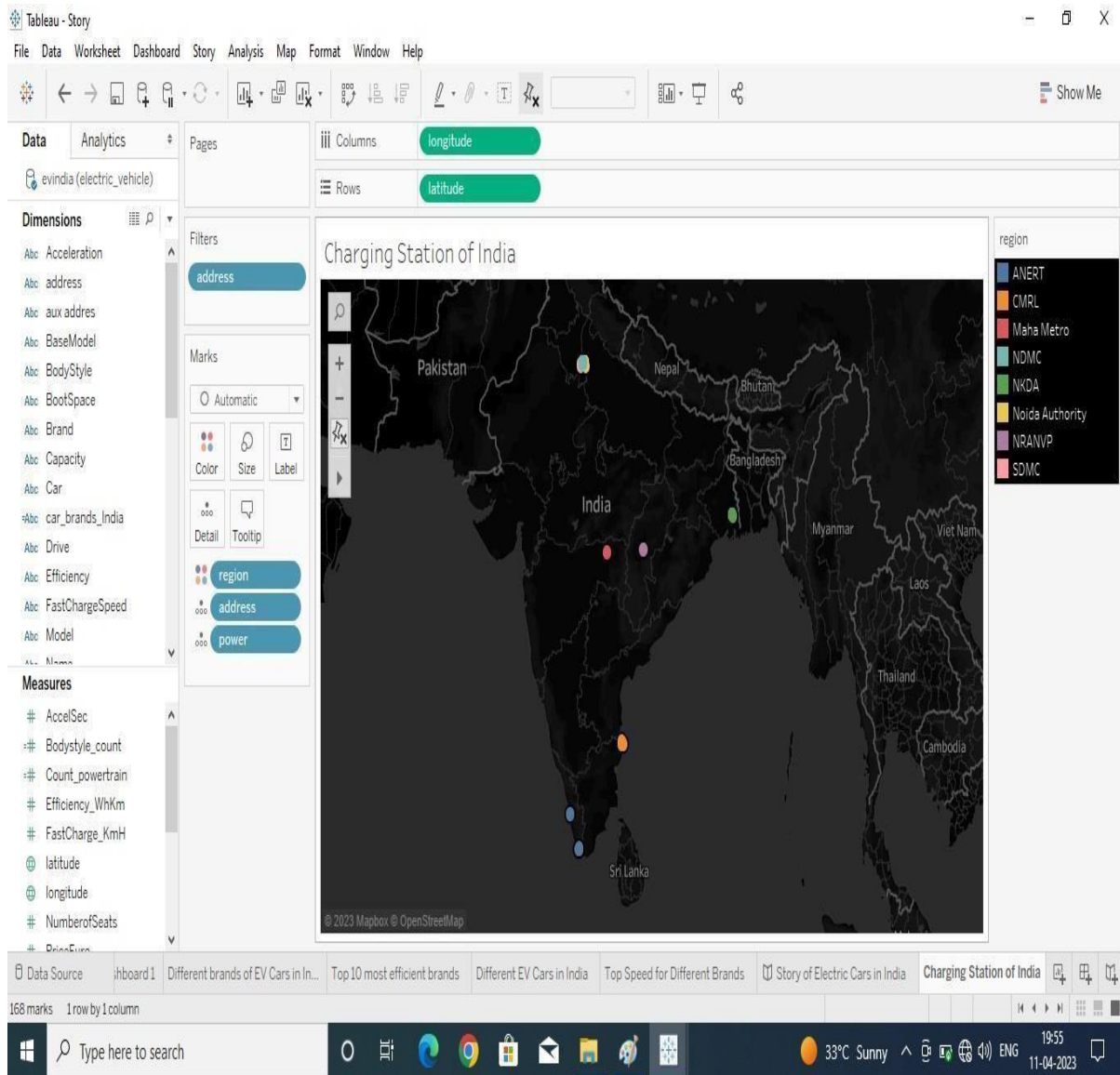


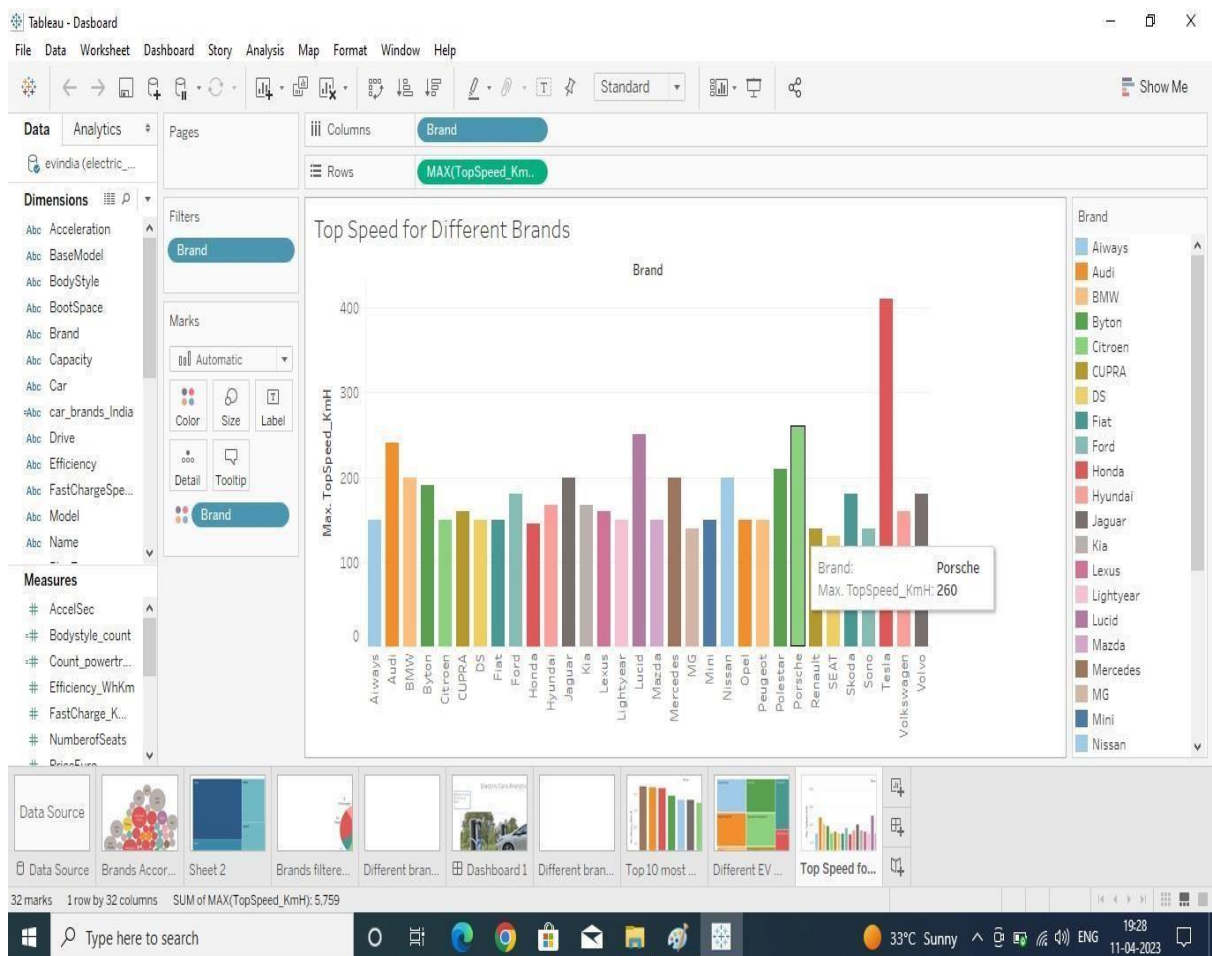
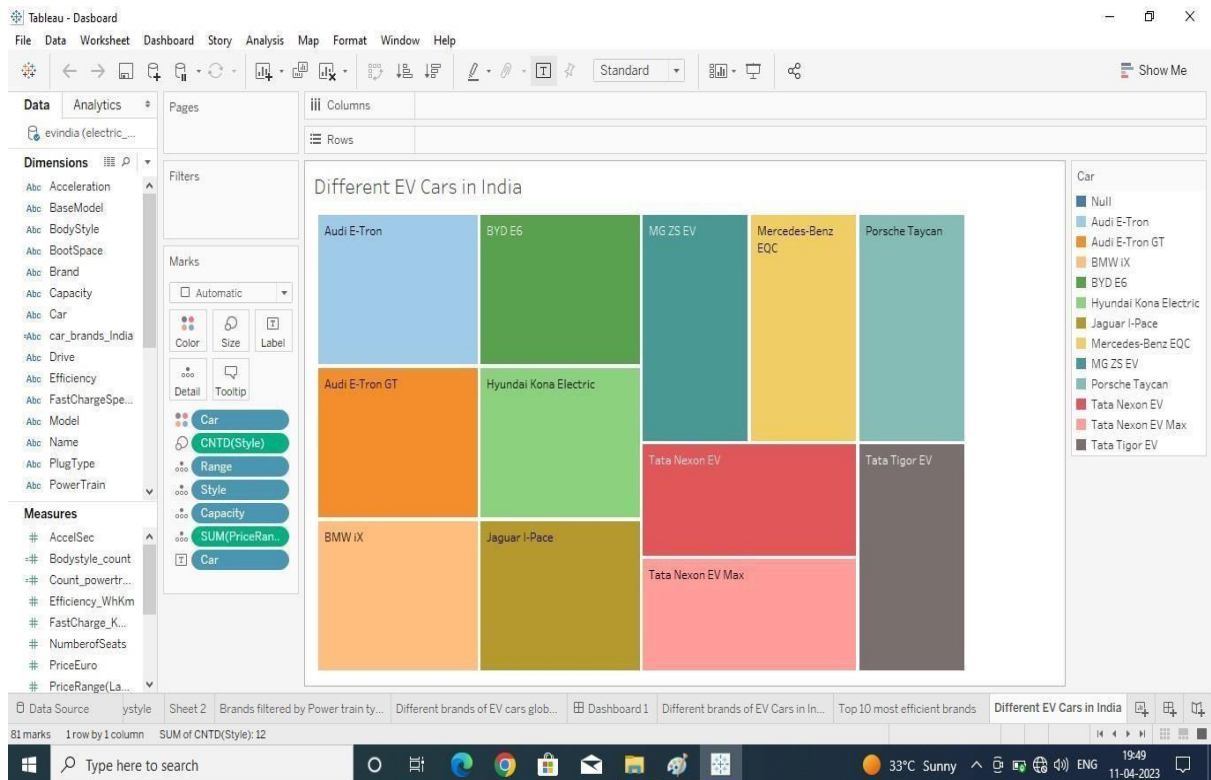


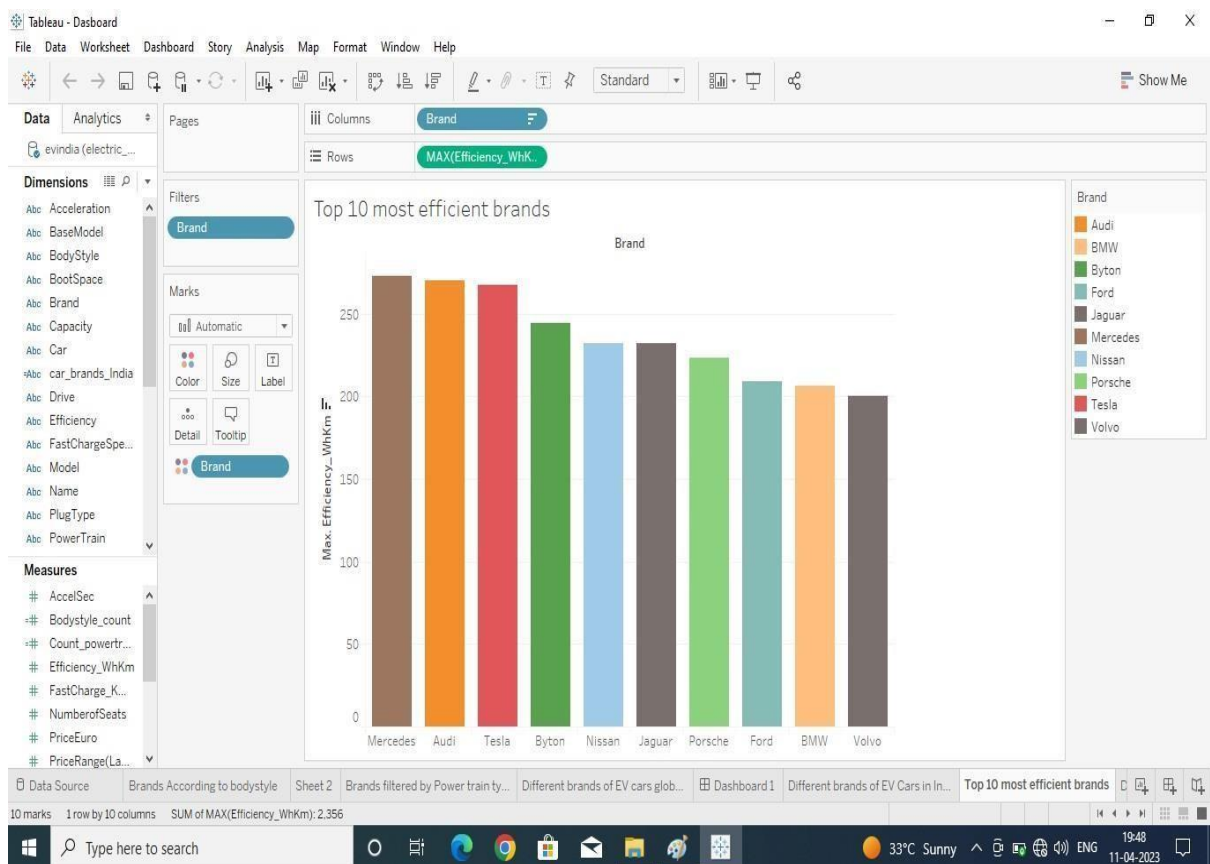
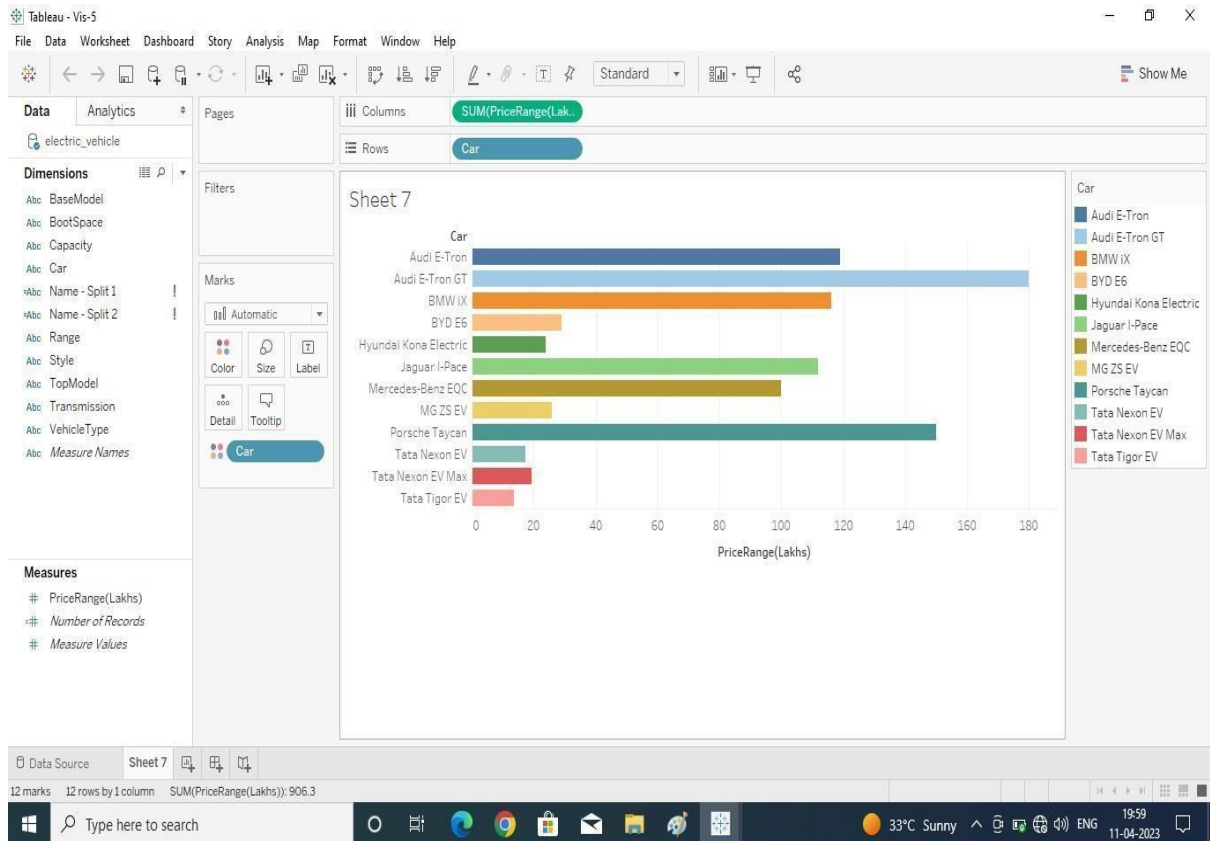


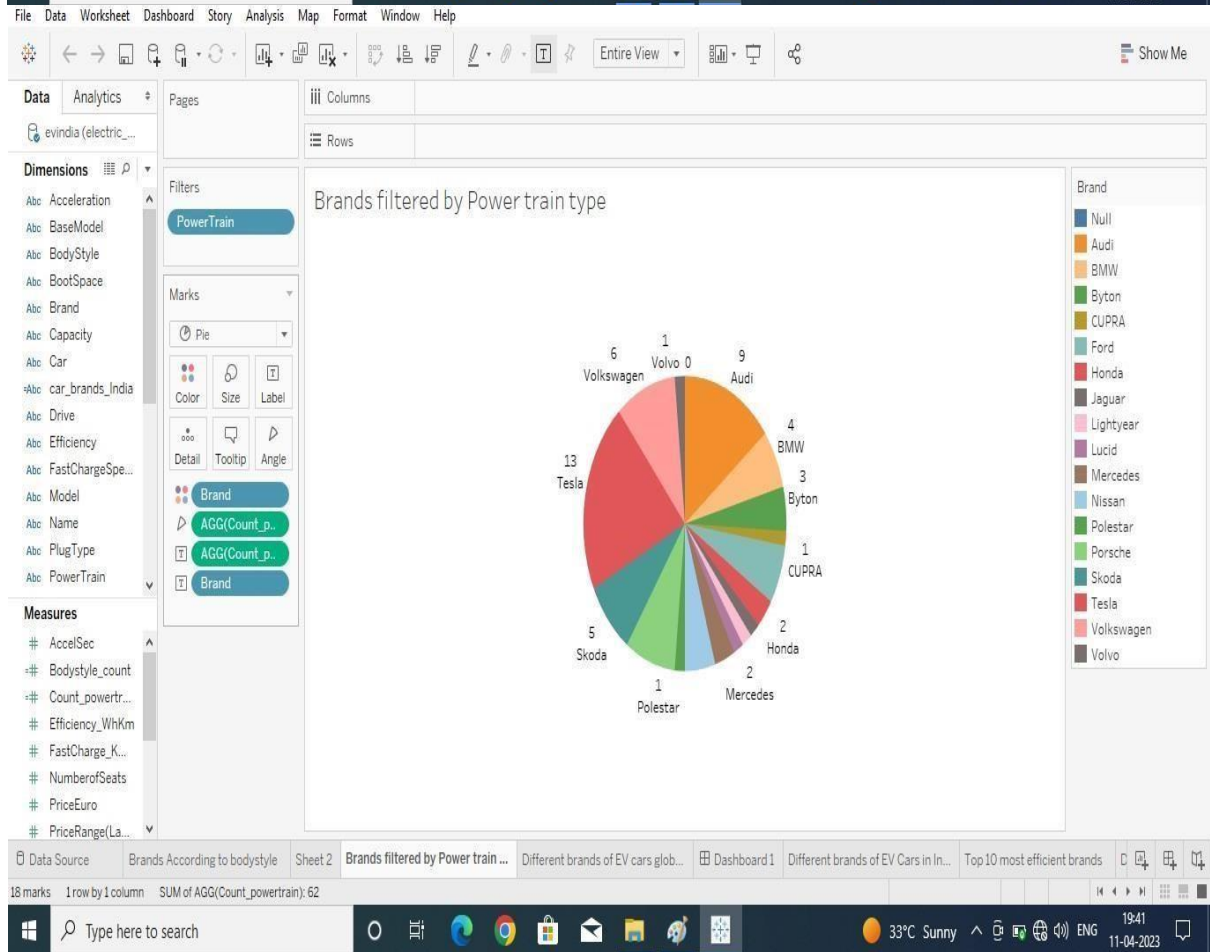
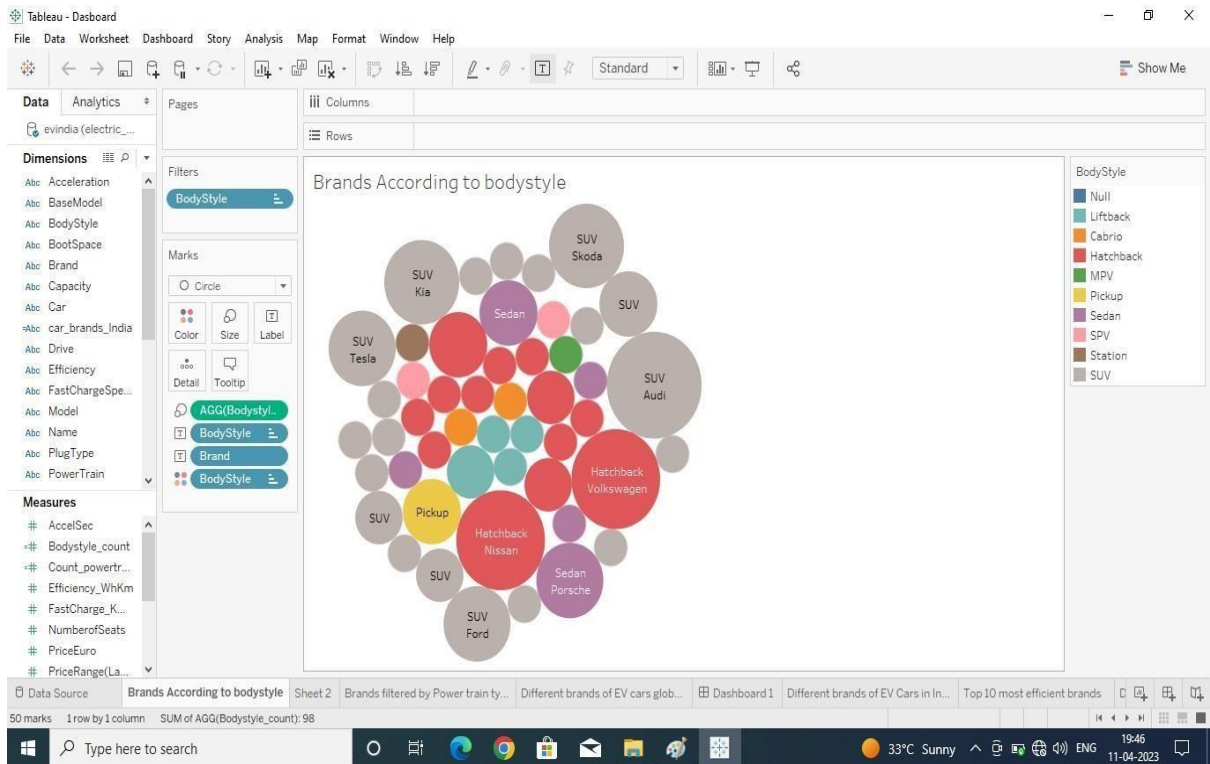


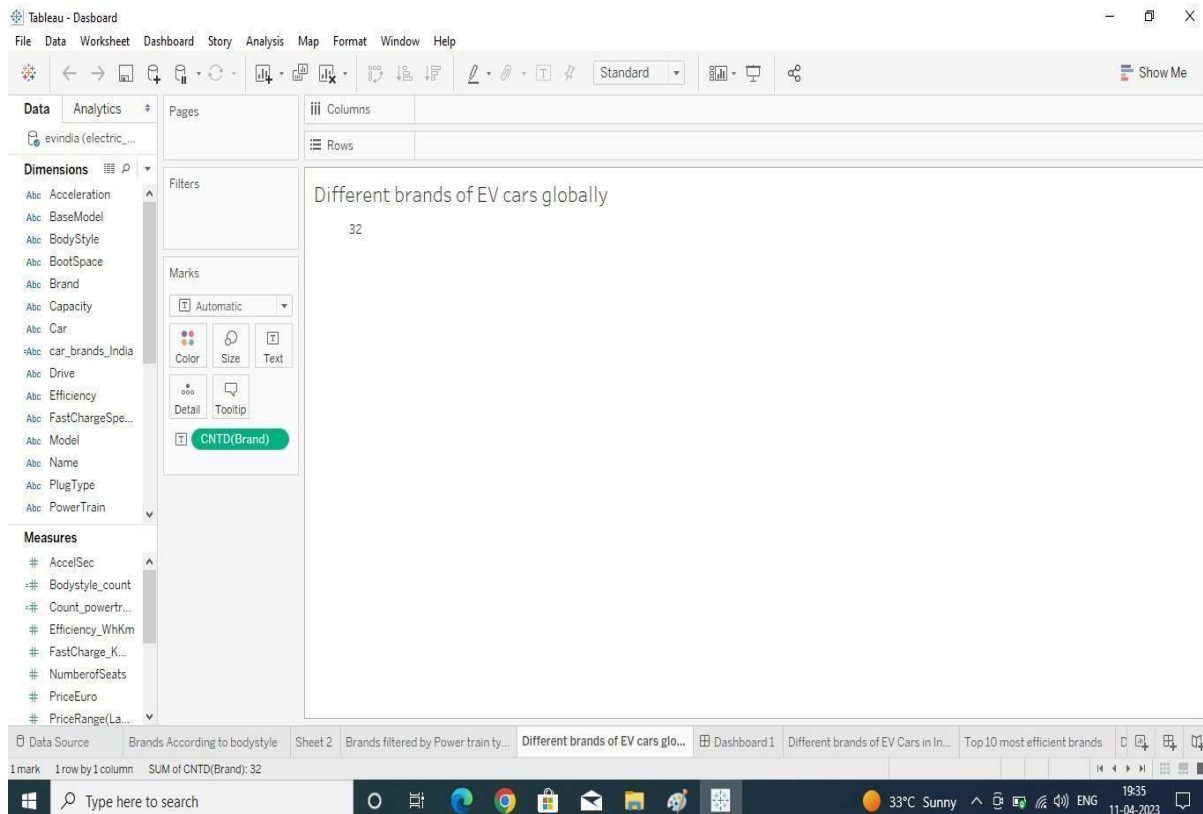
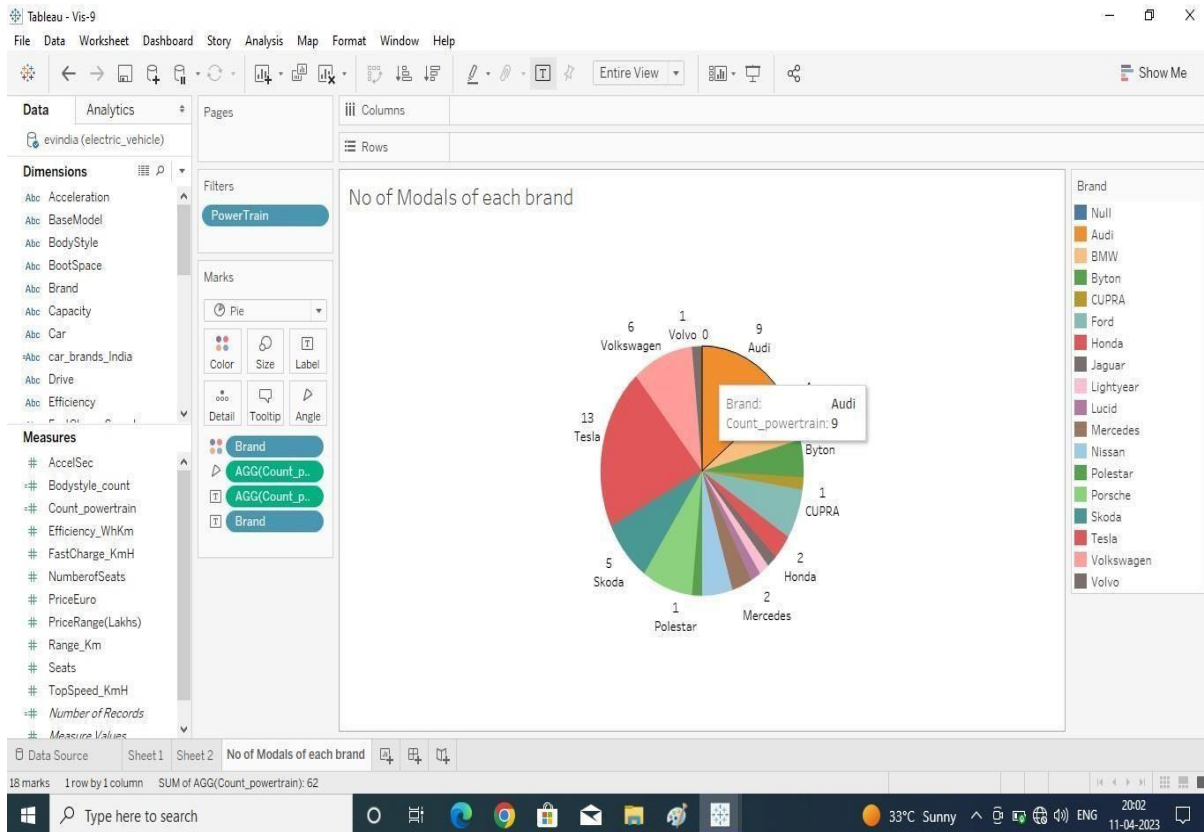


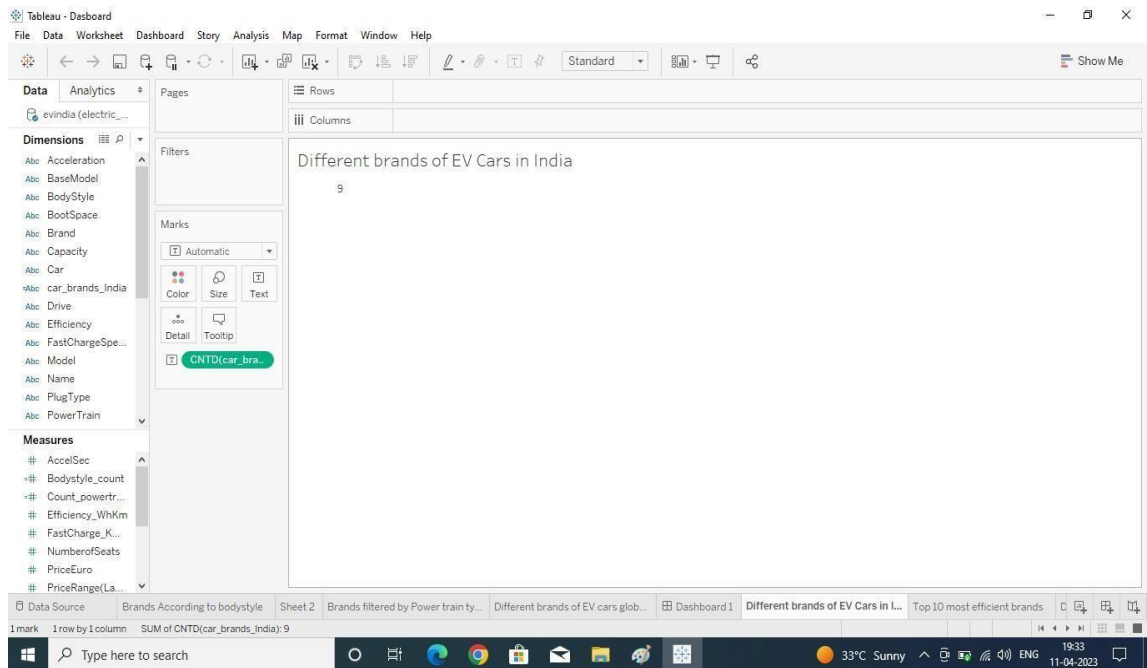


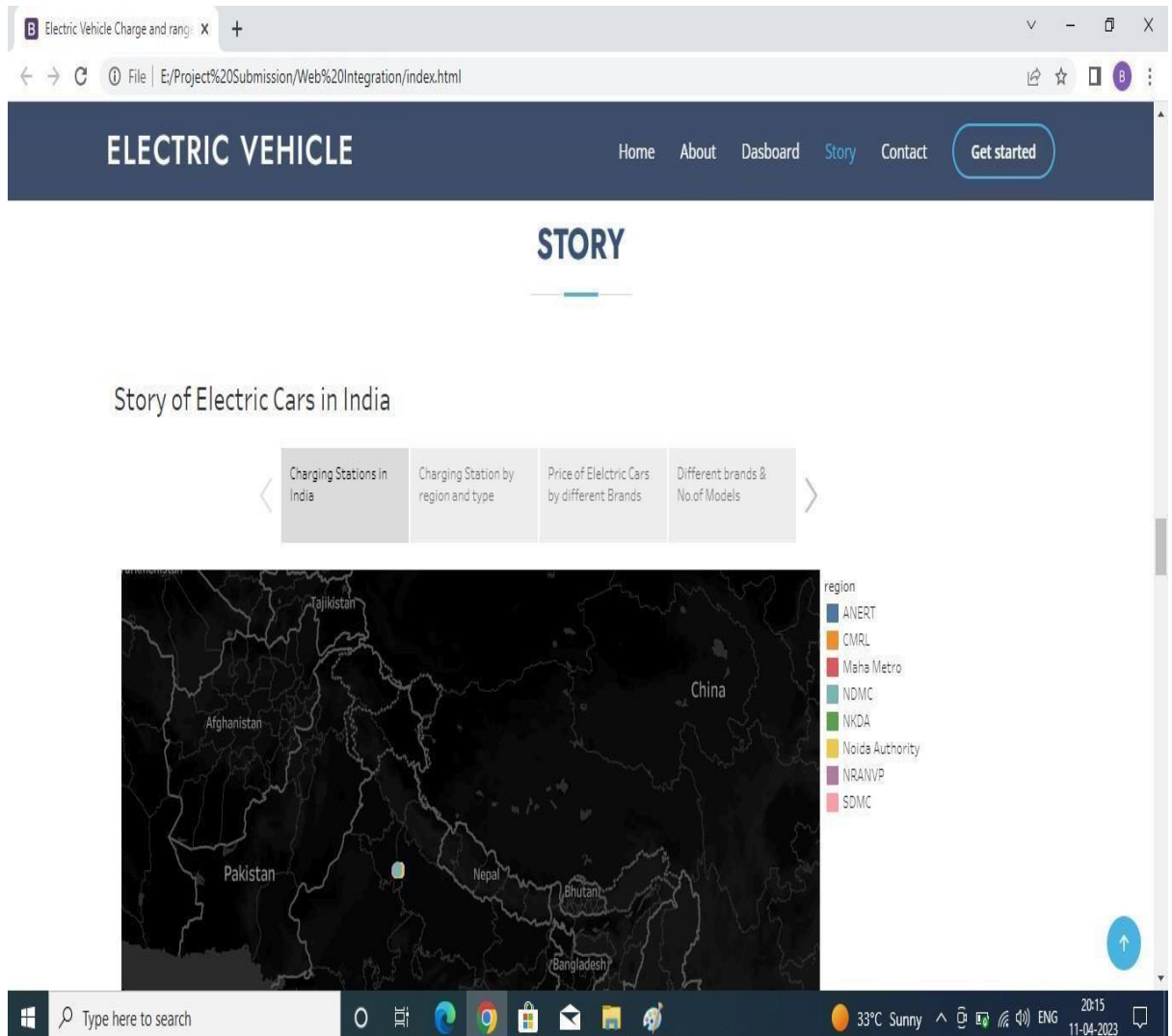
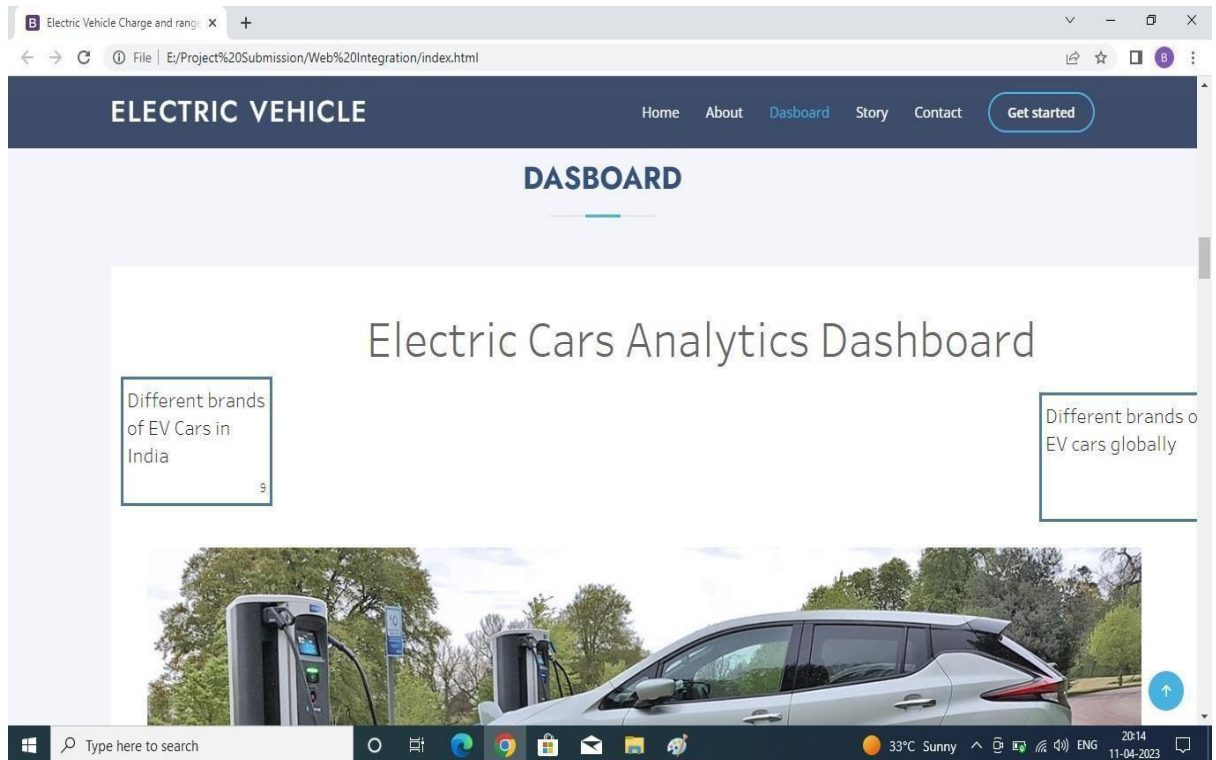












4. ADVANTAGES AND DISADVANTAGES

4.1 ADVANTAGES:

Eco -friendly: Because electric vehicles do not utilize fuel for combustion, there are no emissions or gas exhaust. Vehicles that run on fossil fuels contribute significantly to hazardous gas accumulation in the environment, thus driving an electric car can help contribute to a cleaner environment.

Renewable energy source: Electric vehicles run on renewable power, whereas conventional automobiles function on the combustion of fossil fuels, which reduces the world's fossil-fuel stocks.

Less noise and smoother motion: Driving an electric car is significantly smoother. Because they lack fast-moving elements, they are quieter and produce less noise.

Cost-effective: Electricity is far less expensive than fuels such as gasoline and diesel, which are subject to regular price increases. When solar electricity is utilized at home, battery recharging is cost-effective.

Low maintenance: Because electric cars have fewer moving components, wear and tear is reduced when compared to traditional auto parts. Repairs are also simpler and less expensive than combustion engines.

4.2 DISADVANTAGES:

High initial cost: Electric vehicles continue to be quite expensive, and many buyers believe they are not as inexpensive as traditional automobiles.

Charging station limitations: People who need to travel long distances are concerned about finding adequate charging stations in the middle of their journey, which are not always accessible.

Recharging takes time: Unlike conventional automobiles, which require only a few minutes to replenish their gas tanks, charging an electric vehicle takes many hours.

Limited options: Currently, there aren't many electric car models to pick from in terms of appearance, style, or customized variations.

Less driving range: When compared to conventional automobiles, electric vehicles have a shorter driving range. Electric cars can be convenient for short-distance travel but are

5. APPLICATIONS

- It helps to know the region and type wise charging station in india .
- Total different electric cars in India list out. ➤ Top speed for Different Brands.
- Price for different cars in india
- Top10 most efficient electric vehicle brands.
- Brands according to Bodystyle.
- Brand filtered by Power train type.
- No of modals by each brand
- Summary Cards for Different brands of EV cars globally.
- Summary Cards for Different brands of EV cars in india.

6. CONCLUSION

This project provides many details for electric Vehicle so it's help for buying electric cars. This project helps for our future because we handle for many software and specify business problem defining and problem understanding. Comparing the many brands and the best reasonable EV Cars. Although electric vehicle must solve the hurdles that are currently preventing people from purchasing, the future is clear. Evs will outlast gas powered automobiles in the in the long run. Both GM and Nissan declared in January 2021 that they will go all- electric by the 2030s. other automakers will undoubtedly follow suit

7. FUTURE SCOPE

There are no emissions:

Electric automobiles are being developed primarily because they do not emit any pollution when driving. An electric vehicle is propelled by a battery-powered electric motor. There is no burning of fuel. An electric vehicle does not have an exhaust system. It's the best road transportation solution at a time when global CO2 emissions and air pollution must be drastically cut.

Access to city centres is unrestricted:

Aside from the fact that more cities are implementing LEZs, these zones are also growing in size and strictness with time. With an electric car, you have limitless access to low-emission zones, now and in the future, wherever and whenever you want.

Electricity is less expensive than gasoline:

Electricity is less expensive than gasoline and fuel. In this regard, an electric automobile is less expensive than a car with a combustion engine. The most cost-effective solution is to charge at home.

Comfortable and quiet:

Unlike a combustion engine, an electric motor produces very little noise. As a result, the silence inside an electric vehicle is unmistakable. Additionally, unlike a combustion engine, an electric motor does not produce any vibrations or resonance. The vibration-free and silent drivetrain adds to the relaxation.

There's no need to switch gears:

An electric automobile does not have a traditional gearbox, which is another key distinction from a car with a combustion engine. An electric car always works like a car with an automatic transmission, which eliminates the need to shift gears. You also don't have to pay more for it. Driving in busy start-stop traffic in the city or traffic congestion has never been more comfortable, thanks to the quietness of an electric motor.

Torque on the fly:

The incredibly high torque of an electric motor is a distinct feature. Much more powerful than a typical internal combustion engine. Furthermore, an electric motor responds rapidly to throttle motions and generates peak torque right from a standstill. Internal combustion engines have an unavoidable response time and can only generate maximum torque in a specific speed range. All of this assures enticing performance thanks to the smooth and powerful acceleration, as well as a great deal of driving pleasure.

Extremely effective:

At the moment, the most efficient combustion engines have an efficiency of around 40%. That means they only put 40% of the energy in the fuel into motion. Heat and friction account for the remaining 60%.

An electric motor has a 90 per cent efficiency, which means it uses the battery's energy far more efficiently. Furthermore, because an electric motor can be transformed into a generator in the blink of an eye, an electric car can swiftly recover kinetic energy.

Requires less maintenance:

Electric drivetrain technology is much simpler than that of a combustion engine. Because only a few sections need to be lubricated, it has far fewer (spinning) parts and fluids. So, as you may have guessed, an electric vehicle requires less maintenance.

Generate your power:

Having your oil refinery in your garden to make your auto fuel is impossible. It's hardly unexpected, though, that you can create your electricity. For example, solar panels on the top of your home or office building can provide energy. You may further lower your kilometre cost by charging your battery with this renewable energy.

8. APPENDIX

8.1 SOURCE CODE:

DASHBOARD:

https://public.tableau.com/views/Dasboard_16811353129130/Dashboard1?:language=enUS&:display_count=n&:origin=viz_share_link

8.2 STORY:

https://public.tableau.com/views/Story_16811350752970/StoryofElectricCarsinIndia?:language=en-US&:display_count=n&:origin=viz_share_link

```
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html>
```

```
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<meta charset="utf-8">  
<meta content="width=device-width, initial-scale=1.0" name="viewport">  
<title>Electric Vehicle Charge and range analaytics</title>  
<meta content="" name="description">  
<meta content="" name="keywords">  
<!-- Favicons -->  
<link href="assets/img/favicon.png" rel="icon">  
<link href="assets/img/apple-touch-icon.png" rel="apple-touch-icon">  
<!-- Google Fonts -->  
<link  
href="https://fonts.googleapis.com/css?family=Open+Sans:300,300i,400,400i,600,600i,700,700i|Jost:300,300i,400,400i,500,500i,600,600i,700,700i|Poppins:300,300i,400,400i,500,500i,600,600i,700,700i" rel="stylesheet">  
<!-- Vendor CSS Files -->  
<link href="assets/vendor/aos/aos.css" rel="stylesheet">  
<link href="assets/vendor/bootstrap/css/bootstrap.min.css" rel="stylesheet">  
<link href="assets/vendor/bootstrap-icons/bootstrap-icons.css" rel="stylesheet">  
<link href="assets/vendor/boxicons/css/boxicons.min.css" rel="stylesheet">
```

```

<link href="assets/vendor/glightbox/css/glightbox.min.css" rel="stylesheet">
<link href="assets/vendor/remixicon/remixicon.css" rel="stylesheet">
<link href="assets/vendor/swiper/swiper-bundle.min.css" rel="stylesheet">
<!-- Template Main CSS File -->
<link href="assets/css/style.css" rel="stylesheet">

<!-- =====>
* Template Name: Arsha
* Updated: Mar 10 2023 with Bootstrap v5.2.3
* 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">
<h1 class="logo me-auto"><a href="index.html">Electric Vehicle</a></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="#services">Dashboard</a></li>
<li><a class="nav-link scrollto" href="#portfolio">Story</a></li>
<li><a class="nav-link scrollto" href="#contact">Contact</a></li>
<li><a class="getstarted scrollto" href="#about">Get started</a></li>
</ul>
<i class="bi bi-list mobile-nav-toggle"></i>
</nav><!-- .navbar -->
</div>
</header><!-- End Header -->
<!-- ===== Hero Section ===== -->
<section id="hero" class="d-flex align-items-center">
<div class="container">
<div class="row">
<div class="col-lg-6 d-flex flex-column justify-content-center pt-4 pt-lg-0 order-2 order-lg-1" data-aos="fade-up" data-aos-delay="200">

```

```

<h1>Visualization tool for Electric Vehicle Charge and Range Analysis</h1>
<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"><i
class="bi bi-play-circle"></i><span>Watch Video</span></a>
</div>
</div>
<div class="col-lg-6 order-1 order-lg-2 hero-img" data-aos="zoom-in" data-aos-delay="200">

</div>
</div>
</div>
</section><!-- End Hero -->
<main id="main">

<!-- ===== About Us Section ===== -->
<section id="about" class="about">
<div class="container" data-aos="fade-up">
<div class="section-title">
<h2>About Us</h2>
</div>
<div class="row content">
<div class="col-lg-6">
<p>
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore
et dolore
magna aliqua.
</p>
<ul>
<li><i class="ri-check-double-line"></i> Ullamco laboris nisi ut aliquip ex ea commodo
consequat</li>
<li><i class="ri-check-double-line"></i> Duis aute irure dolor in reprehenderit in voluptate
velit</li>
<li><i class="ri-check-double-line"></i> Ullamco laboris nisi ut aliquip ex ea commodo
consequat</li>
</ul>
</div>
</section><!-- End About Us Section -->

<!-- ===== Why Us Section ===== -->
<section id="why-us" class="why-us section-bg">
<div class="container-fluid" data-aos="fade-up">
<div class="row">

```

```

<div class="col-lg-7 d-flex flex-column justify-content-center align-items-stretch order-2 order-lg-1">
<div class="content">
<h3>Eum ipsam laborum deleniti <strong>velit pariat architecto aut nihil</strong></h3>
<p>
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Duis aute irure dolor in reprehenderit
</p>
</div>
<div class="accordion-list">
<ul>
<li>
<a data-bs-toggle="collapse" class="collapse" data-bs-target="#accordion-list-1"><span>01</span>
Non consectetur a erat nam at lectus urna duis? <i class="bx bx-chevron-down icon-show"></i><i class="bx bx-chevron-up icon-close"></i></a>
<div id="accordion-list-1" class="collapse show" data-bs-parent=".accordion-list">
<p>
Feugiat pretium nibh ipsum consequat. Tempus iaculis urna id volutpat lacus laoreet non curabitur gravida. Venenatis lectus magna fringilla urna porttitor rhoncus dolor purus non.
</p>
</div>
</li>
<li>
<a data-bs-toggle="collapse" data-bs-target="#accordion-list-2" class="collapsed"><span>02</span> Feugiat scelerisque varius morbi enim nunc? <i class="bx bx-chevron-down icon-show"></i><i class="bx bx-chevron-up icon-close"></i></a>
<div id="accordion-list-2" class="collapse" data-bs-parent=".accordion-list">
<p>
Dolor sit amet consectetur adipiscing elit pellentesque habitant morbi. Id interdum velit laoreet id donec ultrices. Fringilla phasellus faucibus scelerisque eleifend donec pretium. Est pellentesque elit ullamcorper dignissim. Mauris ultrices eros in cursus turpis massa tincidunt dui.
</p>
</div>
</li>
<li>
<a data-bs-toggle="collapse" data-bs-target="#accordion-list-3" class="collapsed"><span>03</span> Dolor sit amet consectetur adipiscing elit? <i class="bx bx-chevron-down icon-show"></i><i class="bx bx-chevron-up icon-close"></i></a>
<div id="accordion-list-3" class="collapse" data-bs-parent=".accordion-list">
<p>
Eleifend mi in nulla posuere sollicitudin aliquam ultrices sagittis orci. Faucibus pulvinar elementum integer enim. Sem nulla pharetra diam sit amet nisl suscipit. Rutrum tellus pellentesque eu tincidunt.

```

Lectus urna duis convallis convallis tellus. Urna molestie at elementum eu facilisis sed odio morbi quis

</p>

</div>

</div>

</div>

<div class="col-lg-5 align-items-stretch order-1 order-lg-2 img" style="background-image: url("assets/img/why-us.png");" data-aos="zoom-in" data-aos-delay="150"> </div>

</div>

</div>

</section><!-- End Why Us Section -->

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</div>

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<h3>Voluptatem dignissimos provident quasi corporis voluptates</h3>

<p class="fst-italic">

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore

magna aliqua.

</p>

<div class="skills-content">

<div class="progress">

HTML <i class="val">100%</i>

<div class="progress-bar-wrap">

<div class="progress-bar" role="progressbar" aria-valuenow="100" aria-valuemin="0" aria-valuemax="100"></div>

</div>

</div>

<div class="progress">

CSS <i class="val">90%</i>

<div class="progress-bar-wrap">

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</div>

```

</div>
<div class="progress">
<span class="skill">JavaScript <i class="val">75%</i></span>
<div class="progress-bar-wrap">
<div class="progress-bar" role="progressbar" aria-valuenow="75" aria-valuemin="0" aria-
valuemax="100"></div>
</div>
</div>
<div class="progress">
<span class="skill">Photoshop <i class="val">55%</i></span>
<div class="progress-bar-wrap">
<div class="progress-bar" role="progressbar" aria-valuenow="55" aria-valuemin="0" aria-
valuemax="100"></div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</section><!-- End Skills 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='viz1681197456357' style='position: relative'><noscript><a
href='#><img alt='Dashboard 1 '
src='https://public.tableau.com/static/images/Da/Dashboard_168113
53129130/Dashboard1/1_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='Dashboard_16811353129130/Dashboard1' /><param name='tabs' value='no' /><param
name='toolbar' value='yes' /><param name='static_image'
value='https://public.tableau.com/static/images/Da/Dashboard_1681
1353129130/Dashboard1/1.png' /> <param name='animate_transition' value='yes'
/><param name='display_static_image' value='yes' /><param name='display_spinner' value='yes'
/><param name='display_overlay' value='yes' /><param name='display_count' value='yes' /><param
name='language' value='en-US' /></object></div> <script type='text/javascript'> var divElement =
document.getElementById('viz1681197456357'); var vizElement =
divElement.getElementsByTagName('object')[0]; if ( divElement.offsetWidth > 800 ) {
vizElement.style.width='1320px';vizElement.style.height='2027px';} else if (
divElement.offsetWidth > 500 ) {

```



```

vizElement.style.width='1320px';vizElement.style.height='2027px';} else {
vizElement.style.width='100%';vizElement.style.height='2627px';} var scriptElement =
document.createElement('script'); scriptElement.src =
'https://public.tableau.com/javascripts/api/viz_v1.js';
vizElement.parentNode.insertBefore(scriptElement, vizElement); </script>
</section><!-- End Cta 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='viz1681197920720' style='position:
relative'><noscript><a href='#'><img alt='Story of Electric Cars in India '
src='https://public.tableau.com/static/images/St/Story_1681135075
2970/StoryofElectricCarsinIndia/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='Story_16811350752970/StoryofElectricCarsinIndia' /><param name='tabs' value='no'
/><param name='toolbar' value='yes' /><param name='static_image'
value='https://public.tableau.com/static/images/St/Story_16811350
752970/StoryofElectricCarsinIndia/1.png' /> <param name='animate_transition'
value='yes' /><param name='display_static_image' value='yes' /><param name='display_spinner'
value='yes' /><param name='display_overlay' value='yes' /><param name='display_count'
value='yes' /><param name='language' value='en-US' /></object></div> <script
type='text/javascript'> var divElement = document.getElementById('viz1681197920720'); var
vizElement = divElement.getElementsByTagName('object')[0];
vizElement.style.width='1016px';vizElement.style.height='991px'; var scriptElement =
document.createElement('script'); scriptElement.src =
'https://public.tableau.com/javascripts/api/viz_v1.js';
vizElement.parentNode.insertBefore(scriptElement, vizElement); </script>

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

<!-- ===== Team Section ===== -->
<section id="team" class="team section-bg">
<div class="container" data-aos="fade-up">
<div class="section-title">
<h2>Team</h2>
</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="pic"></div>
<div class="member-info">
<h4>V SATHISH</h4>

```

```

<span>Team Leader</span>
<p>Explicabo voluptatem mollitia et repellat qui dolorum quasi</p>
<div class="social">
<a href=""><i class="ri-twitter-fill"></i></a>
<a href=""><i class="ri-facebook-fill"></i></a>
<a href=""><i class="ri-instagram-fill"></i></a>
<a href=""><i class="ri-linkedin-box-fill"></i></a>
</div>
</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="pic"></div>
<div class="member-info">
<h4>C ARUNACHALAM</h4>
<span>Team Member</span>
<p>Aut maiores voluptates amet et quis praesentium qui senda para</p>
<div class="social">
<a href=""><i class="ri-twitter-fill"></i></a>
<a href=""><i class="ri-facebook-fill"></i></a>
<a href=""><i class="ri-instagram-fill"></i></a>
<a href=""><i class="ri-linkedin-box-fill"></i></a>
</div>
</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="pic"></div>
<div class="member-info">
<h4>G MARIAPPAN</h4>
<span>Team Member</span>
<p>Quisquam facilis cum velit laborum corrupti fuga rerum quia</p>
<div class="social">
<a href=""><i class="ri-twitter-fill"></i></a>
<a href=""><i class="ri-facebook-fill"></i></a>
<a href=""><i class="ri-instagram-fill"></i></a>
<a href=""><i class="ri-linkedin-box-fill"></i></a>
</div>
</div>
</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="pic"></div>
<div class="member-info">
<h4>S K SABARI</h4>
<span>Team Member</span>
<p>Dolorum tempora officiis odit laborum officiis et et accusamus</p>
<div class="social">
<a href=""><i class="ri-twitter-fill"></i></a>
<a href=""><i class="ri-facebook-fill"></i></a>
<a href=""><i class="ri-instagram-fill"></i></a>
<a href=""><i class="ri-linkedin-box-fill"></i></a>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</section><!-- End Team Section -->
<!-- ===== Pricing Section ===== -->
<section id="pricing" class="pricing">
<div class="container" data-aos="fade-up">
<div class="section-title">
<h2>Pricing</h2>
<p>Magna dolores commodi suscipit. Necessitatibus eius consequatur ex aliquid fuga eum quidem. Sit sint consectetur velit. Quisquam quos quisquam cupiditate. Et nemo qui impedit suscipit alias ea. Quia fugiat sit in iste officiis commodi quidem hic quas.</p>
</div>
<div class="row">
<div class="col-lg-4" data-aos="fade-up" data-aos-delay="100">
<div class="box">
<h3>Free Plan</h3>
<h4><sup>$</sup>0<span>per month</span></h4>
<ul>
<li><i class="bx bx-check"></i> Quam adipiscing vitae proin</li>
<li><i class="bx bx-check"></i> Nec feugiat nisl pretium</li>
<li><i class="bx bx-check"></i> Nulla at volutpat diam uteera</li>
<li class="na"><i class="bx bx-x"></i> <span>Pharetra massa massa ultricies</span></li>
<li class="na"><i class="bx bx-x"></i> <span>Massa ultricies mi quis hendrerit</span></li>

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```

</ul>
<a href="#" class="buy-btn">Get Started</a>
</div>
</div>

<div class="col-lg-4 mt-4 mt-lg-0" data-aos="fade-up" data-aos-delay="200">
<div class="box featured">
<h3>Business Plan</h3>
<h4><sup>$</sup>29<span>per month</span></h4>
<ul>
<li><i class="bx bx-check"></i> Quam adipiscing vitae proin</li>
<li><i class="bx bx-check"></i> Nec feugiat nisl pretium</li>
<li><i class="bx bx-check"></i> Nulla at volutpat diam utera</li>
<li><i class="bx bx-check"></i> Pharetra massa massa ultricies</li>
<li><i class="bx bx-check"></i> Massa ultricies mi quis hendrerit</li>
</ul>
<a href="#" class="buy-btn">Get Started</a>
</div>
</div>

<div class="col-lg-4 mt-4 mt-lg-0" data-aos="fade-up" data-aos-delay="300">
<div class="box">
<h3>Developer Plan</h3>
<h4><sup>$</sup>49<span>per month</span></h4>
<ul>
<li><i class="bx bx-check"></i> Quam adipiscing vitae proin</li>
<li><i class="bx bx-check"></i> Nec feugiat nisl pretium</li>
<li><i class="bx bx-check"></i> Nulla at volutpat diam utera</li>
<li><i class="bx bx-check"></i> Pharetra massa massa ultricies</li>
<li><i class="bx bx-check"></i> Massa ultricies mi quis hendrerit</li>
</ul>
<a href="#" class="buy-btn">Get Started</a>
</div>
</div>
</div>
</div>

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

<!-- ===== Frequently Asked Questions Section ===== -->
<section id="faq" class="faq section-bg">
<div class="container" data-aos="fade-up">
<div class="section-title">
<h2>Frequently Asked Questions</h2>

```

<p>Magna dolores commodi suscipit. Necessitatibus eius consequatur ex aliquid fuga eum quidem. Sit sint consectetur velit. Quisquam quos quisquam cupiditate. Et nemo qui impedit suscipit alias ea. Quia fugiat sit in iste officiis commodi quidem hic quas.</p>

</div>

<div class="faq-list">

<li data-aos="fade-up" data-aos-delay="100">

<i class="bx bx-help-circle icon-help"></i> <a data-bs-toggle="collapse" class="collapse" data-bs-target="#faq-list-1">Non consectetur a erat nam at lectus urna duis? <i class="bx bx-chevron-down icon-show"></i><i class="bx bx-chevron-up icon-close"></i>

<div id="faq-list-1" class="collapse show" data-bs-parent=".faq-list">

<p>

Feugiat pretium nibh ipsum consequat. Tempus iaculis urna id volutpat lacus laoreet non curabitur gravida. Venenatis lectus magna fringilla urna porttitor rhoncus dolor purus non.

</p>

</div>

<li data-aos="fade-up" data-aos-delay="200">

<i class="bx bx-help-circle icon-help"></i> <a data-bs-toggle="collapse" data-bs-target="#faq-list-2" class="collapsed">Feugiat scelerisque varius morbi enim nunc? <i class="bx bx-chevron-down icon-show"></i><i class="bx bx-chevron-up icon-close"></i>

<div id="faq-list-2" class="collapse" data-bs-parent=".faq-list">

<p>

Dolor sit amet consectetur adipiscing elit pellentesque habitant morbi. Id interdum velit laoreet id donec ultrices. Fringilla phasellus faucibus scelerisque eleifend donec pretium. Est pellentesque elit ullamcorper dignissim. Mauris ultrices eros in cursus turpis massa tincidunt dui.

</p>

</div>

<li data-aos="fade-up" data-aos-delay="300">

<i class="bx bx-help-circle icon-help"></i> <a data-bs-toggle="collapse" data-bs-target="#faq-list-3" class="collapsed">Dolor sit amet consectetur adipiscing elit? <i class="bx bx-chevron-down icon-show"></i><i class="bx bx-chevron-up icon-close"></i>

<div id="faq-list-3" class="collapse" data-bs-parent=".faq-list">

<p>

Eleifend mi in nulla posuere sollicitudin aliquam ultrices sagittis orci. Faucibus pulvinar elementum integer enim. Sem nulla pharetra diam sit amet nisl suscipit. Rutrum tellus pellentesque eu tincidunt. Lectus urna duis convallis convallis tellus. Urna molestie at elementum eu facilisis sed odio morbi quis

</p>

</div>

<li data-aos="fade-up" data-aos-delay="400">

```

<i class="bx bx-help-circle icon-help"></i> <a data-bs-toggle="collapse" data-bs-target="#faq-list-4" class="collapsed">Tempus quam pellentesque nec nam aliquam sem et tortor consequat? <i class="bx bx-chevron-down icon-show"></i><i class="bx bx-chevron-up icon-close"></i></a>
<div id="faq-list-4" class="collapse" data-bs-parent=".faq-list">
<p>
Molestie a iaculis at erat pellentesque adipiscing commodo. Dignissim suspendisse in est ante in. Nunc vel risus commodo viverra maecenas accumsan. Sit amet nisl suscipit adipiscing bibendum est. Purus gravida quis blandit turpis cursus in.
</p>
</div>
</li>

<li data-aos="fade-up" data-aos-delay="500">
<i class="bx bx-help-circle icon-help"></i> <a data-bs-toggle="collapse" data-bs-target="#faq-list-5" class="collapsed">Tortor vitae purus faucibus ornare. Varius vel pharetra vel turpis nunc eget lorem dolor? <i class="bx bx-chevron-down icon-show"></i><i class="bx bx-chevron-up icon-close"></i></a>
<div id="faq-list-5" class="collapse" data-bs-parent=".faq-list">
<p>
Laoreet sit amet cursus sit amet dictum sit amet justo. Mauris vitae ultricies leo integer malesuada nunc vel. Tincidunt eget nullam non nisi est sit amet. Turpis nunc eget lorem dolor sed. Ut venenatis tellus in metus vulputate eu scelerisque.
</p>
</div>
</li>
</ul>
</div>
</div>
</section><!-- End Frequently Asked Questions Section -->

<!-- ===== Contact Section ===== -->
<section id="contact" class="contact">
<div class="container" data-aos="fade-up">
<div class="section-title">
<h2>Contact</h2>
<p>Magna dolores commodi suscipit. Necessitatibus eius consequatur ex aliquid fuga eum quidem. Sit sint consectetur velit. Quisquam quos quisquam cupiditate. Et nemo qui impedit suscipit alias ea. Quia fugiat sit in iste officiis commodi quidem hic quas.</p>
</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>A108 Adam Street, New York, NY 535022</p>
</div>

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

<div class="phone">
<i class="bi bi-phone"></i>
<h4>Call:</h4>
<p>+1 5589 55488 55s</p>
</div>

<iframe
src="https://www.google.com/maps/embed?pb=!1m14!1m8!1m3!1d12097.433213460943!2d-
74.0062269!3d40.7101282!3m2!1i1024!2i768!4f13.1!3m3!1m2!1s0x0%3A0xb89d1fe6bc499443!2s
Downtown+Conference+Center!5e0!3m2!1smk!2sbg!4v1539943755621" frameborder="0"
style="border:0; width: 100%; height: 290px;" allowfullscreen></iframe>
</div>

</div>

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

```

```

<div class="loading">Loading</div>
<div class="error-message"></div>
<div class="sent-message">Your message has been sent. Thank you!</div>
</div>
<div class="text-center"><button type="submit">Send Message</button></div>
</form>
</div>
</div>
</div>
</section><!-- End Contact Section -->
</main><!-- End #main -->
<!-- ===== Footer ===== -->
<footer id="footer">
<div class="footer-newsletter">
<div class="container">
<div class="row justify-content-center">
<div class="col-lg-6">
<h4>Join Our Newsletter</h4>
<p>Tamen quem nulla quae legam multos aute sint culpa legam noster magna</p>
<form action="" method="post">
<input type="email" name="email"><input type="submit" value="Subscribe">
</form>
</div>
</div>
</div>
</div>
<div class="footer-top">
<div class="container">
<div class="row">
<div class="col-lg-3 col-md-6 footer-contact">
<h3>Arsha</h3>
<p>
A108 Adam Street <br>
New York, NY 535022<br>
United States <br><br>
<strong>Phone:</strong> +1 5589 55488 55<br>
<strong>Email:</strong> info@example.com<br>
</p>
</div>
<div class="col-lg-3 col-md-6 footer-links">

```



```

<h4>Useful Links</h4>
<ul>
<li><i class="bx bx-chevron-right"></i> <a href="#">Home</a></li>
<li><i class="bx bx-chevron-right"></i> <a href="#">About us</a></li>
<li><i class="bx bx-chevron-right"></i> <a href="#">Services</a></li>
<li><i class="bx bx-chevron-right"></i> <a href="#">Terms of service</a></li>
<li><i class="bx bx-chevron-right"></i> <a href="#">Privacy policy</a></li>
</ul>
</div>

<div class="col-lg-3 col-md-6 footer-links">
<h4>Our Services</h4>
<ul>
<li><i class="bx bx-chevron-right"></i> <a href="#">Web Design</a></li>
<li><i class="bx bx-chevron-right"></i> <a href="#">Web Development</a></li>
<li><i class="bx bx-chevron-right"></i> <a href="#">Product Management</a></li>
<li><i class="bx bx-chevron-right"></i> <a href="#">Marketing</a></li>
<li><i class="bx bx-chevron-right"></i> <a href="#">Graphic Design</a></li>
</ul>
</div>

<div class="col-lg-3 col-md-6 footer-links">
<h4>Our Social Networks</h4>
<p>Cras fermentum odio eu feugiat lide par naso tierra videa magna derita valies</p>
<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>
</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/">BootstrapMade</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>

```