SMARTBRIDGE EXTERNSHIP PROJECT FINAL REPORT

COURSE: DATA ANALYTICS

SUICIDES IN INDIA VISUALISATIONS USING TABLEAU

1. INTRODUCTION

1.1 OVERVIEW

The project "Suicides in India Data Visualization using Tableau" is a comprehensive initiative that seeks to shed light on the pressing issue of suicides in India through the power of data visualization. By leveraging the capabilities of Tableau, the project aims to present a concise and insightful representation of suicide trends, factors, and patterns across various demographic categories. The dataset used for this analysis encompasses a wide range of information, including age, gender, education, occupation, and causes of suicide cases reported in India. Through interactive visualizations, users will be able to explore and delve deeper into the data, facilitating a better understanding of the underlying factors contributing to suicides. Utilizing a variety of charts, graphs, and maps, the visualization will highlight the regions, age groups, and genders most affected by suicides in India. Furthermore, the project will examine the correlations between factors such as education, occupation, and causes of suicides, providing valuable insights that can inform policymakers and potentially shape preventive strategies. By raising awareness about this critical issue, the project aims to stimulate informed discussions and promote potential interventions. Users will have the flexibility to filter and analyse the data based on their specific parameters of interest, enabling personalized and customized insights. Ultimately, the project seeks to create an engaging and informative visualization that contributes to a better understanding of suicide trends in India and supports the development of effective preventive measures.

1.2 PURPOSE

The project aims to raise awareness and understanding of suicides in India by using Tableau for data visualization. It seeks to provide insights into suicide trends, factors, and patterns across demographic categories. By presenting the data in visually compelling ways, it facilitates a deeper comprehension of the issue. Policymakers can utilize these insights to develop targeted interventions and preventive strategies. Additionally, the project aims to foster collaboration and informed discussions among stakeholders involved in suicide prevention. Ultimately, it strives to contribute to the development of effective measures to address the alarming rates of suicides in India.

2. LITERATURE SURVEY

2.1 EXISTING PROBLEM

One of the existing problems related to suicide visualizations is the limited availability and accessibility of comprehensive and up-to-date data on suicides. Obtaining accurate and reliable data on suicide cases, including demographic

information, causes, and contributing factors, can be challenging. Inconsistent reporting practices across different regions and limited data transparency can hinder the accuracy and reliability of suicide visualizations.

Existing approaches or methods to solve this problem:

Efforts are being made to improve the availability and quality of data for suicide visualizations. These approaches include:

Standardizing data collection: Establishing standardized protocols and guidelines for collecting suicide data can ensure consistency and comparability across different regions. This can help overcome discrepancies and enhance the accuracy of suicide visualizations.
Strengthening reporting systems: Governments and organizations are working towards strengthening their suicide reporting systems to ensure timely and accurate data collection. This includes training healthcare professionals, implementing digital reporting systems, and promoting data sharing between different agencies.
Data integration and analysis: Integrating data from multiple sources, such as health records, law enforcement reports, and death registries, can provide a more comprehensive picture of suicides. Advanced data analysis techniques, such as data mining and machine learning, can help identify patterns and trends in suicide data.
Data visualization tools and platforms: Utilizing advanced data visualization tools, such as Tableau, can enhance the presentation and accessibility of suicide data. These tools enable interactive visualizations that allow users to explore the data and gain deeper insights into suicide trends and patterns.
By addressing the challenges related to data availability and quality, these approaches aim to improve the accuracy, reliability, and usefulness of suicide visualizations, ultimately supporting evidence-based decisionmaking and the development of effective suicide prevention strategies.

2.2 PROPOSED SOLUTION

The proposed solution focuses on utilizing advanced data visualization techniques to effectively represent and analyse suicide data in India. By leveraging tools like Tableau, the solution aims to address the existing problem of limited access to comprehensive and up-to-date suicide data.

The method begins by advocating for collaboration among various stakeholders involved in suicide prevention, including government agencies, mental health organizations, and researchers. This collaboration would establish standardized protocols for collecting, sharing, and integrating suicide data, ensuring consistency and reliability.

The next step involves data cleansing and validation processes to ensure the accuracy and integrity of the suicide dataset. By removing inconsistencies, errors, and missing values, the solution enhances the quality of the data used for visualization.

The proposed solution emphasizes the development of interactive and user-friendly visualizations. Leveraging the capabilities of tools like Tableau, users can explore the data through filtering, drill-down capabilities, and tooltips, gaining deeper insights into suicide trends and patterns.

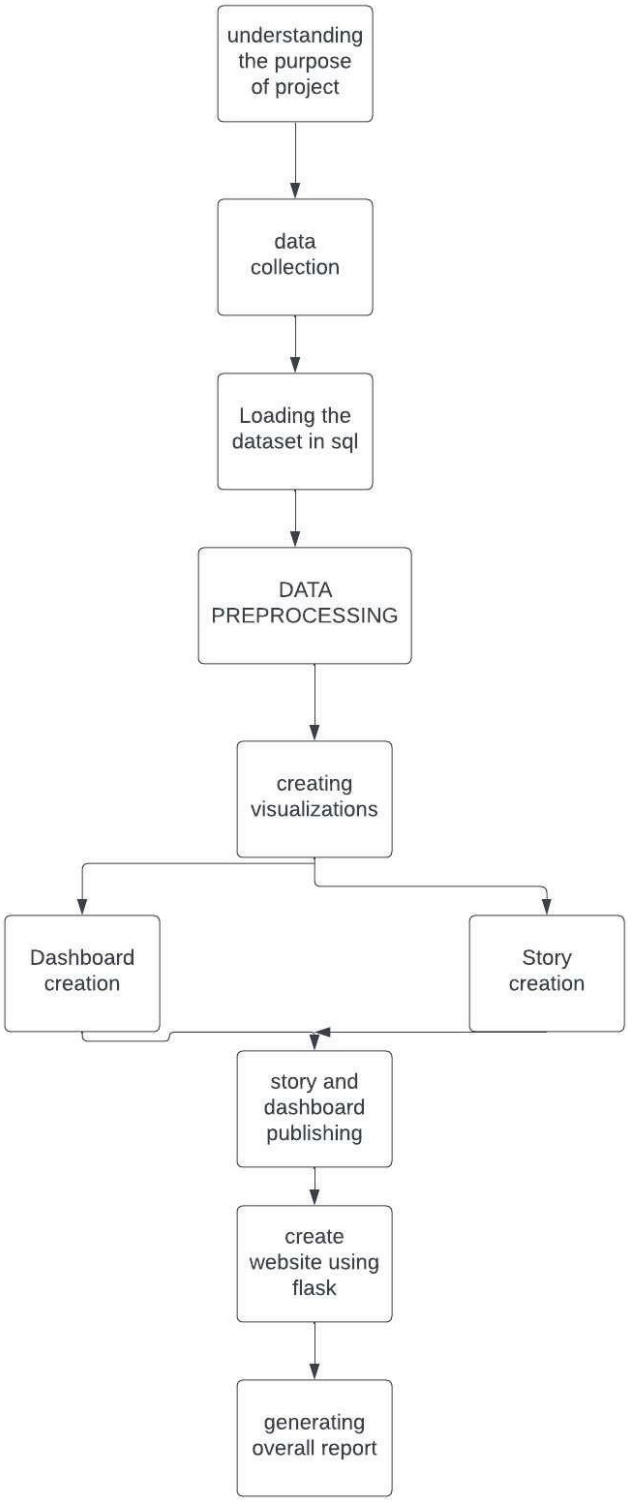
To provide meaningful context, the solution incorporates contextual information and storytelling in the visualizations. By presenting background narratives and explanations, users can better understand the significance of the data and its implications.

Comparative analysis plays a crucial role in the proposed solution. Users can explore regional, demographic, and temporal comparisons to identify patterns, trends, and disparities in suicide rates and associated factors across different categories.

Furthermore, the solution suggests the utilization of predictive modelling techniques to forecast future suicide trends based on historical data. This helps identify potential high-risk areas or population groups, enabling targeted prevention measures.

Overall, the proposed solution aims to generate comprehensive, accessible, and impactful suicide visualizations that promote data-driven decision-making, raise awareness, facilitate informed discussions, and ultimately contribute to effective suicide prevention strategies in India.

3. THEORITICAL ANALYSIS 3.1 BLOCK DIAGRAM



3.2 HARDWARE / SOFTWARE DESIGNING

Hardware requirements:

Computer or Server: A computer or server with sufficient processing power and memory to handle data processing and visualization tasks efficiently.

Storage: Adequate storage capacity to store the dataset and any additional files required for the project.

Display: A monitor or display screen with suitable resolution for designing and viewing visualizations.

Software requirements:

Tableau Desktop: The primary software tool for creating and designing the visualizations. Tableau Desktop provides a user-friendly interface and a wide range of features for data visualization and analysis.

Database Management System (DBMS): SQL workbench to load and store the dataset

Operating System: A compatible operating system such as Windows, macOS, or Linux that supports the chosen software tools and is capable of running the required applications.

Web Server: to host the visualizations on a web server.

Collaboration and Version Control Tools: GitHub

Web Design Tools: to create a dedicated web page or application for hosting the visualizations, software tools such as HTML/CSS, bootstrap are used

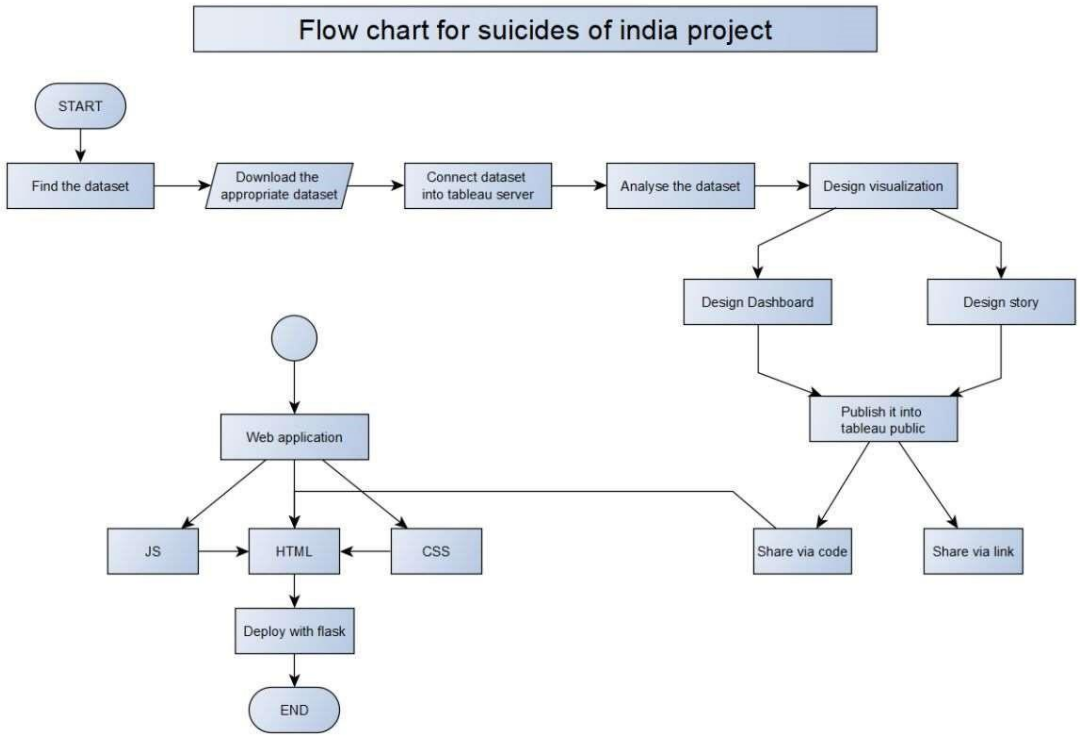
Flask: To host the visualizations on a web server and to build a web application

4. EXPERIMENTAL INVESTIGATIONS

The dataset Suicides in India 2001-2013 contains dimensions Age group, Gender, State, Type, Type code, and year The measure is Total. We have made various visualisations based on given dimensions and measures. The total number of suicides reported from 2001 to 2013 is 29,11,862, of which more were committed by people in states than in union territories. In union territories, the highest number of suicides is recorded in Delhi

(84,272). In states, the highest number of suicides is recorded in Maharashtra (9,01,945) followed by West Bengal (8,49,936). Number of people who died due to suicide, for men is around 83,68,760 and for women is around 47,02,974. Categories in type code include causes, social status, education status, professional profile, and means adopted. Around 11.02% of the suicides, causes are mentioned, and majority of the reasons are family problems, prolonged illness, mental illness, and love affairs. In around 33.41% of the suicides, educational status of the people is mentioned and most of the people who committed suicide have received their primary level of education. Of the total suicides around 11.41%, means adopted in process is mentioned. Most people died by hanging, and some of them by consuming insecticides and other poisonous substances. Profession is the reason in least number of suicide cases. If we consider women, most of the people died were housewives. In men, most of the people who died were involved in farming or agricultural activities, and some of them were in the service industry and unemployed too.

5. FLOW CHART



6. RESULT

On average, the number of suicides increased at a rate of 1.83% from 2001 to 2013, and the number of suicides increased more in men than in women. A higher number of suicides is observed in the age group 15-29. Many people died due to problems in their social status and educational status. The social status of these people is mostly married. Maharashtra is recorded with the greatest number of suicide cases and contributes to 6.9% of the total cases. Delhi has the highest record of suicide cases with 0.645% of the total cases in union territories.

7. ADVANTAGES AND DISADVANTAGES

Advantages of the project "Suicides in India Data Visualization using Tableau":

- Improved Data Understanding: Data visualization provides a visual representation of complex suicide data, making it easier to understand patterns, trends, and relationships that may not be apparent in raw data. Visualizations can uncover valuable insights and support evidencebased decision-making.
- Enhanced Communication: Visualizations enable effective communication of suicide data to a wide range of audiences, including policymakers, researchers, mental health professionals, and the general public. Visual representations can convey information more intuitively and engage viewers, leading to better comprehension and retention of information.
- Identification of High-Risk Areas and Factors: The project can identify high-risk areas or population groups through visualizations, helping policymakers and mental health organizations target prevention efforts more effectively. By highlighting key risk factors, such as age, gender, or occupation, interventions can be tailored to specific demographics.
- Interactive Exploration: Interactive visualizations allow users to explore the data by filtering, sorting, and drilling down into specific aspects of suicide trends. This empowers users to discover insights based on their interests, questions, or hypotheses, fostering a deeper understanding of the data.
- Data-Driven Decision Making: Visualizations facilitate data-driven decision-making by providing stakeholders with a clear and comprehensive view of suicide data. Policymakers can use the visualizations to evaluate the impact of existing interventions, develop new policies, and allocate resources based on the identified needs.

Disadvantages of the project "Suicides in India Data Visualization using Tableau":

- Data Limitations: The quality and availability of suicide data may vary, which can impact the accuracy and reliability of the visualizations. Incomplete or biased data may lead to misleading or incomplete insights, potentially affecting decision-making processes.
- Simplification of Complex Issues: Visualizations, by their nature, simplify complex data into easily digestible visuals. However, this simplification can potentially overlook nuances and complexities within the suicide data, leading to an oversimplified understanding of the problem.
- Interpretation Bias: Interpretation of visualizations can be subjective and influenced by individual biases. Different viewers may draw different conclusions or interpretations from the same visualizations, potentially leading to conflicting perspectives and decisions.

- Privacy and Ethical Considerations: Handling sensitive suicide data requires strict adherence to privacy regulations and ethical guidelines. Ensuring data anonymization and security is crucial to protect the privacy and confidentiality of individuals represented in the data.
- Technical Expertise: Developing and maintaining sophisticated visualizations using tools like Tableau requires technical expertise. Access to skilled personnel with knowledge of data visualization tools, statistical analysis, and data processing may be a limitation for some organizations or projects.
- Accessibility and Reach: While visualizations can be effective in conveying information, ensuring accessibility for all individuals, including those with visual impairments or limited technological resources, can be a challenge. Accommodating diverse needs and providing alternative formats may be necessary to reach a wider audience.

8. APPLICATIONS

The project "Suicides in India Data Visualization using Tableau" has several applications that can contribute to various areas:

- Public Health Policy: The visualizations can provide valuable insights into suicide trends, risk factors, and patterns in different regions of India. Policymakers can utilize this information to develop targeted suicide prevention strategies, allocate resources effectively, and monitor the impact of interventions.
- Mental Health Awareness: The visualizations can help raise awareness about mental health issues and suicide prevention. By presenting the data in a visually engaging and accessible manner, the project can contribute to reducing the stigma associated with mental health and encourage open discussions.
- Research and Academia: Researchers and scholars can utilize the visualizations as a valuable resource for conducting further studies and analysis on suicide-related topics. The project can support evidencebased research, contribute to academic publications, and facilitate a deeper understanding of suicide dynamics in India.
- Non-Profit Organizations: NGOs and non-profit organizations working in the field of mental health and suicide prevention can leverage the visualizations to enhance their advocacy efforts, educational campaigns, and community outreach programs. The data-driven insights can help these organizations tailor their initiatives to address specific needs and challenges.
- Media and Journalism: Journalists and media outlets can utilize the visualizations to create informative and impactful stories on suicide rates, trends, and underlying factors. The project can contribute to responsible reporting on suicide-related issues, promoting accurate information and raising public awareness.
- Education and Training: The visualizations can be utilized in educational settings, such as universities, colleges, and training programs, to educate

students and professionals about suicide prevention. The project can serve as a learning tool, facilitating discussions, and enhancing knowledge about the complexities surrounding suicide.

- Community Engagement: The visualizations can be shared with the general public through various channels, including social media, websites, and public exhibitions. This can foster community engagement, generate conversations, and encourage individuals to be proactive in addressing mental health issues and supporting suicide prevention efforts.

Overall, the project's applications extend across public health, mental health awareness, research, non-profit organizations, media, education, and community engagement. By presenting data in a visually compelling and accessible manner, the project can have a positive impact on suicide prevention strategies, mental health initiatives, and public discourse surrounding suicides in India.

9. CONCLUSION

Finally, this project used Tableau to accomplish data visualisation, dashboard building, and narrative utilising the "Suicides in India" dataset accessible on Kaggle. The primary goal was to examine and gather knowledge on suicide trends in India from 2001 to 2012.The dataset was then imported into Tableau, which was used to investigate the data using different visualisations such bar charts, line charts, scatter plots, and maps.

To give a thorough picture of the suicide data, interactive dashboards were made in Tableau based on the insights gleaned from the visualisations. Users may dive down into certain areas, times, demographics, and suicide causes using the dashboards' filters and interactive features.

A web application was made using Flask and a Bootstrap framework to make the visualisations and dashboards available to a larger audience. The backend was a Flask application that processed user requests and produced the required Tableau dashboards and visualisations. The tool was subsequently made accessible for users to browse and interactively study the suicide data.

Overall, this project successfully made use of the "Suicides in India" dataset, used Tableau to create dashboards and visualise data, and deployed a web application using Flask. Flask's web development framework and Tableau's analytical skills worked together to create a user experience that was both entertaining and educational. The project's findings help to a better understanding of this pressing issue by offering insightful information about suicide patterns in India.

10. FUTURE SCOPE

The project "Suicides in India Data Visualization using Tableau" holds significant potential for future advancements and expansions. Here are some potential areas of future scope for the project:

- Real-time Data Updates: The project can be enhanced to incorporate real-time or regularly updated suicide data. This would allow for the visualization of the most current trends and patterns, enabling more timely interventions and decision-making.
- Predictive Analytics: By integrating predictive modeling techniques, the project can forecast future suicide rates based on historical data. Predictive analytics can help identify potential high-risk areas or population groups, enabling proactive prevention strategies.
- Comparative Analysis: The project can be extended to include comparative analysis of suicide rates in India with other countries or regions. This would provide insights into the unique challenges faced by India and allow for cross-country comparisons to identify best practices and interventions.
- Socioeconomic Factors: Incorporating additional datasets that capture socioeconomic indicators, such as poverty rates, unemployment rates, and access to mental health services, can provide a more comprehensive understanding of the relationship between these factors and suicide rates.
- Sentiment Analysis: Integrating natural language processing techniques, sentiment analysis, and social media data can help gauge public sentiment and attitudes towards mental health and suicide prevention. This can assist in identifying public perceptions, addressing misconceptions, and tailoring awareness campaigns.
- Spatial Analysis: Geographic information system (GIS) mapping techniques can be integrated to visualize suicide rates geographically. This would enable the identification of hotspots, regional variations, and demographic disparities, leading to more targeted interventions and resource allocation.
- Longitudinal Analysis: Conducting longitudinal analysis by tracking suicide rates and associated factors over an extended period can provide insights into long-term trends, policy effectiveness, and the impact of interventions.
- User Engagement and Interactivity: Enhancing the project's interactivity and user engagement features can enable users to customize and explore the visualizations based on their specific interests and research questions. This can empower users to uncover unique insights and contribute to the project's knowledge base.
- Collaboration and Data Sharing: The project can establish collaborations with mental health organizations, researchers, and policymakers to share findings, exchange knowledge, and foster a collective effort towards suicide prevention in India. This can lead to the development of a community-driven platform for data-driven decisionmaking.
- Mobile App Development: Building a mobile application that incorporates the Tableau visualizations can enhance accessibility and reach a broader audience.

This would allow users to access and explore the visualizations on their smartphones, facilitating wider dissemination of information.

By exploring these future scope areas, the project can evolve into a dynamic and evolving platform that continues to contribute to suicide prevention efforts, inform policy-making, and promote mental well-being in India.

11. BIBILIOGRAPHY References:

- https://www.kaggle.com/datasets/rajanand/suicides-in-india
- https://ncrb.gov.in/sites/default/files/ADSI2021/adsi2021_Cha pter-2-Suicides.pdf
- https://en.wikipedia.org/wiki/Suicide_in_India
- https://ncrb.gov.in/en/suicides-india-%E2%80%93-part-%E2%80%93-2-2001
- https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4120287/

APPENDIX

A. Source Code

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    <meta charset="utf-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no" />
    <meta name="description" content="" />
    <meta name="author" content="" />
    <title>Data Analytics Project</title>
    <!-- Favicon-->
    <link rel="icon" type="image/x-icon" href="/static/assets/favicon.ico" />
    <!-- Bootstrap Icons-->
    <link href="https://cdn.jsdelivr.net/npm/bootstrapicons@1.5.0/font/bootstrap-icons.css"
rel="stylesheet" />
    <!-- Google fonts-->
    <link href="https://fonts.googleapis.com/css?family=Merriweather+Sans:400,700" rel="stylesheet"
/>      <link href="https://fonts.googleapis.com/css?family=Merriweather:400,300,300italic,4
00italic,700,700italic" rel="stylesheet" type="text/css" />
    <!-- SimpleLightbox plugin CSS-->
    <link href="https://cdnjs.cloudflare.com/ajax/libs/SimpleLightbox/2.1.0/simpleLightb ox.min.css"
rel="stylesheet" />
    <!-- Core theme CSS (includes Bootstrap)-->
    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css" rel="stylesheet"
integrity="sha384-
```

```
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crossorigin="anonymous">
    <link href="/static/css/styles.css" rel="stylesheet" />
  </head>
  <body id="page-top">
    <!-- Navigation-->
    <nav class="navbar navbar-expand-lg navbar-light fixed-top py-3" id="mainNav">
      <div class="container px-4 px-lg-5">
        <a class="navbar-brand" href="#page-top"><b><i>Suicides In India</i></b></a>
        <button class="navbar-toggler navbar-toggler-right" type="button" data-bs-toggle="collapse"
data-bs-target="#navbarResponsive" aria-controls="navbarResponsive" aria-expanded="false" aria-
label="Toggle navigation"><span class="navbar-toggler-icon"></span></button>
        <div class="collapse navbar-collapse" id="navbarResponsive">
          <ul class="navbar-nav ms-auto my-2 my-lg-0">                    <li class="nav-
item"><a class="nav-link" href="#about">About</a></li>
            <li class="nav-item"><a class="nav-link" href="#dashboard">Dashboard</a></li>
            <li class="nav-item dropdown">
              <a class="nav-link dropdown-toggle" id="navbarDropdownBlog" href="#"
role="button" data-bs-toggle="dropdown" ariaexpanded="false">Story</a>
              <ul                    class="dropdown-menu                    dropdown-menu-end"
arialabelledby="navbarDropdownBlog">
                <li><a class="dropdown-item" href="#story1">Story1</a></li>
                <li><a class="dropdown-item" href="#story2">Story2</a></li>
                <li><a class="dropdown-item" href="#story3">Story3</a></li>
              </ul>
            </li>
            <li class="nav-item"><a class="nav-link" href="#team">Team members</a></li>
          </ul>
        </div>
      </div>
    </nav>
    <!-- Masthead-->
    <header class="masthead">
      <div class="container px-4 px-lg-5 h-100">
        <div class="row gx-4 gx-lg-5 h-100 align-items-center justifycontent-center text-center">
          <div class="col-lg-8 align-self-end">
```

```
            <h1 class="text-white font-weight-bold">Suicides In
```

```
India Visualizations Using Tableau</h1>
                    <hr class="divider" />
                </div>
                <div class="col-lg-8 align-self-baseline">
                    <p class="text-white-75 mb-5">This project utilizes Tableau to create visualizations that present insights on suicides in India, facilitating a better understanding of the data.</p>
                    <a class="btn btn-primary btn-xl" href="#about">Find Out More</a>
                </div>
            </div>
        </div>
    </header>
    <!-- About-->
    <section class="page-section bg-primary" id="about">
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            <div class="row gx-4 gx-lg-5 justify-content-center">
                <div class="col-lg-8 text-center">
                    <h2 class="text-white mt-0">About our project</h2>
                    <hr class="divider divider-light" />
                    <p class="text-white-75 mb-4">
                        Welcome to the Suicide  in IndiaVisualization project, a comprehensive exploration of suicide trends in India from 2002 to 2012 using the powerful data visualization tool, Tableau. This project aims to shed light on the complex issue of suicide in India, providing insights and raising awareness about this important societal concern.<br><br><br>
                        The primary objective of this project is to analyze and visualize suicide data spanning a decade in India. By harnessing the capabilities of Tableau, we aim to present the data in an intuitive and accessible manner, allowing users to comprehend and interpret the underlying patterns and trends.<br><br><br>
                        Our analysis relies on robust and reliable data from kaggle. The data encompasses a wide range of demographic, social, and economic variables, enabling us to explore multiple dimensions of suicide trends across various regions and population groups in India.<br><br><br>
We believe that by presenting the suicide data from 2002 to 2012 in a visually engaging manner, this project will contribute to a deeper understanding of the factors associated with suicide rates in India. Our hope is that this analysis will foster informed discussions, encourage further research, and drive initiatives to prevent suicide and promote mental well-being in the country.
                    </p>
                    <a class="btn btn-light btn-xl" href="#dashboard">Get Started!</a>
                </div>
            </div>
        </div>
```

```
    </section>
```

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        <hr class="divider" /></div>
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src='https:&#47;&#47;public.tableau.com&#47;static&#47;images&#47;pr&#47;proje
ctdashboard_16880184848230&#47;Dashboard1&#47;1_rss.png' style='border: none'
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divElement.offsetWidth > 800 ) {                vizElement.style.width='100%';
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            }            else if ( divElement.offsetWidth > 500 ) {
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```

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;
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'https://public.tableau.com/javascripts/api/viz_v1.js';
vizElement.parentNode.insertBefore(scriptElement, vizElement);
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      <!--story 1-->
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class="divider" />
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            var scriptElement = document.createElement('script');
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            </section>
            <!--story 1-->
            <!--story 2-->
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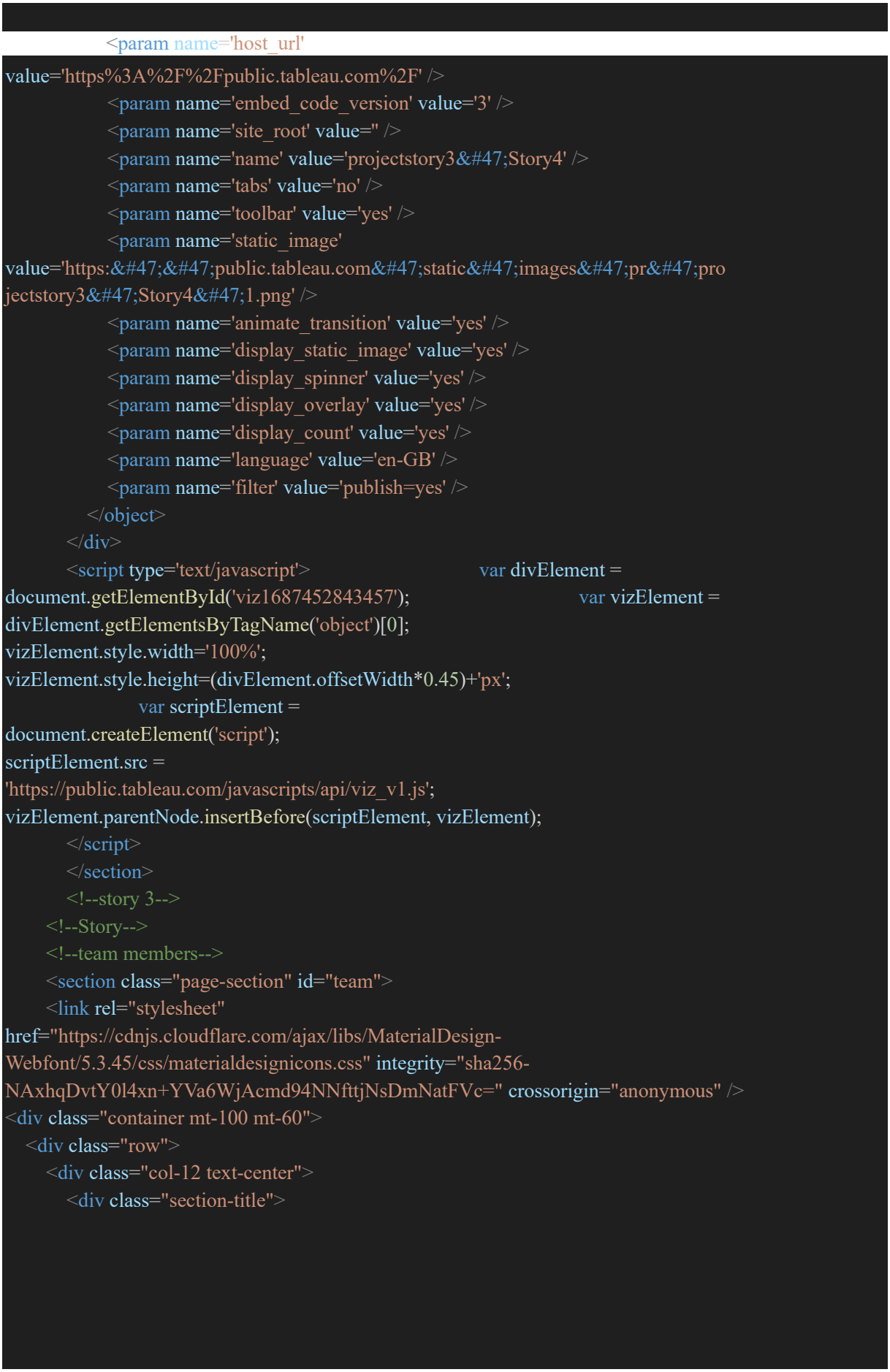
                <param name='site_root' value='' />
                <param name='name'
value='projectstory2_16874525723020&#47;Story2' />                    <param
name='tabs' value='no' />
```

```
                <param name='toolbar' value='yes' />
                <param name='static_image'
value='https:&#47;&#47;public.tableau.com&#47;static&#47;images&#47;pr&#47;pro
jectstory2_16874525723020&#47;Story2&#47;1.png' />
                <param name='animate_transition' value='yes' />
                <param name='display_static_image' value='yes' />
                <param name='display_spinner' value='yes' />
                <param name='display_overlay' value='yes' />
                <param name='display_count' value='yes' />
                <param name='language' value='en-GB' />
                <param name='filter' value='publish=yes' />
              </object>
            </div>
            <script type='text/javascript'>                    var divElement =
document.getElementById('viz1687452587506');                    var vizElement =
divElement.getElementsByTagName('object')[0];
vizElement.style.width='100%';
            vizElement.style.height=(divElement.offsetWidth*0.45)+'px';
                    var scriptElement =
document.createElement('script');                    scriptElement.src =
'https://public.tableau.com/javascripts/api/viz_v1.js';
vizElement.parentNode.insertBefore(scriptElement, vizElement);
            </script>
            </section>
            <!--story 2-->

            <!--story 3-->
            <section class="page-section" id="story3">
              <div class="container px-4 px-lg-5">
                <h2 class="text-center mt-0">Story3</h2>
                <hr class="divider" />
              </div>
            <div class='tableauPlaceholder' id='viz1687452843457' style='position: relative'>
              <noscript>
                <a href='#'>
                  <img alt='Understanding Suicide Rates by Type: Insights and Patterns '
src='https:&#47;&#47;public.tableau.com&#47;static&#47;images&#47;pr&#47;proje
ctstory3&#47;Story4&#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='projectstory3&#47;Story4' />
                <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;pr&#47;pro
jectstory3&#47;Story4&#47;1.png' />
                <param name='animate_transition' value='yes' />
                <param name='display_static_image' value='yes' />
                <param name='display_spinner' value='yes' />
                <param name='display_overlay' value='yes' />
                <param name='display_count' value='yes' />
                <param name='language' value='en-GB' />
                <param name='filter' value='publish=yes' />
            </object>
        </div>
        <script type='text/javascript'>                    var divElement =
document.getElementById('viz1687452843457');                    var vizElement =
divElement.getElementsByTagName('object')[0];
vizElement.style.width='100%';
vizElement.style.height=(divElement.offsetWidth*0.45)+'px';
                var scriptElement =
document.createElement('script');
scriptElement.src =
'https://public.tableau.com/javascripts/api/viz_v1.js';
vizElement.parentNode.insertBefore(scriptElement, vizElement);
        </script>
        </section>
        <!--story 3-->
    <!--Story-->
    <!--team members-->
    <section class="page-section" id="team">
    <link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/MaterialDesign-
Webfont/5.3.45/css/materialdesignicons.css" integrity="sha256-
NAxhqDvtY0l4xn+YVa6WjAcmd94NNfttjNsDmNatFVc=" crossorigin="anonymous" />
<div class="container mt-100 mt-60">
  <div class="row">
    <div class="col-12 text-center">
      <div class="section-title">
```



```
            <h4 class="title mb-4">Our Creative Minds</h4>
```

```
            <!-- <p class="text-muted para-desc mx-auto mb-0">Build responsive, mobile-first projects on the web with the world's most popular front-end component library.</p> -->
          </div>
        </div><!--end col-->
    </div><!--end row-->

    <div class="row">
        <div class="col-lg-3 col-md-6 col-12 mt-4 pt-2">
          <div class="mt-4 pt-2">
            <div class="team position-relative d-block text-center">                    <div class="image position-relative d-block overflowhidden">
                    <img src="https://bootdey.com/img/Content/avatar/avatar7.png" class="img-fluid rounded" alt="">
                    <div class="overlay rounded bg-dark"></div>                    </div>
                <div class="content py-2 member-position bg-white borderbottom overflow-hidden rounded d-inline-block">
                    <h4 class="title mb-0">Valluru Mohammad Rasheed</h4>
                    <!-- <small class="text-muted">Founder</small> -->
                </div>
                <ul class="list-unstyled team-social social-icon social mb-0">
                    <li class="list-inline-item"><a href="javascript:void(0)" class="rounded"><i class="mdi mdi-facebook" title="Facebook"></i></a></li>
                    <li class="list-inline-item"><a href="https://instagram.com/rasheed___vmr?igshid=NGExMmI2YTkyZg==" class="rounded"><i class="mdi mdi-instagram" title="Instagram"></i></a></li>                    <li class="list-inline-item"><a href="https://twitter.com/MohammadValluru" class="rounded"><i class="mdi mditwitter" title="Twitter"></i></a></li>
                    <li class="list-inline-item"><a href="javascript:void(0)" class="rounded"><i class="mdi mdi-google-plus" title="Google +"></i></a></li>
                    <li class="list-inline-item"><a href="https://www.linkedin.com/in/valluru-rasheed-259047207" class="rounded"><i class="mdi mdi-linkedin" title="Linkedin"></i></a></li>
                    <li style="color: antiquewhite;">Contact no: 9440893626</li>
                </ul><!--end icon-->
            </div>
          </div>
        </div><!--end col-->
```

```
        <div class="col-lg-3 col-md-6 col-12 mt-4 pt-2">
```

```
        <div class="mt-4 pt-2">
            <div class="team position-relative d-block text-center">                    <div class="image
position-relative d-block overflowhidden">
                <img src="/static/assets/img/5.png" class="img-fluid rounded" alt="">
                <div class="overlay rounded bg-dark"></div>
            </div>
            <div class="content py-2 member-position bg-white borderbottom overflow-hidden rounded
d-inline-block">
                <h4 class="title mb-0">Mrunalini</h4>
                <!-- <small class="text-muted">C.E.O.</small> -->
            </div>
            <ul class="list-unstyled team-social social-icon social mb-0">
                <li class="list-inline-item"><a href="javascript:void(0)" class="rounded"><i class="mdi
mdi-facebook" title="Facebook"></i></a></li>
                <li class="list-inline-item"><a href="javascript:void(0)" class="rounded"><i class="mdi
mdi-instagram" title="Instagram"></i></a></li>
                <li class="list-inline-item"><a href="javascript:void(0)" class="rounded"><i class="mdi
mdi-twitter" title="Twitter"></i></a></li>
                <li class="list-inline-item"><a
href="javascript:void(0)"      class="rounded"><i      class="mdi      mdi-google-plus"      title="Google
+"></i></a></li>
                <li class="list-inline-item"><a
href="javascript:void(0)" class="rounded"><i class="mdi mdi-linkedin" title="Linkedin"></i></a></li>
                <li style="color: antiquewhite;">Contact no:
6300667365</li>
            </ul><!--end icon-->
        </div>
    </div><!--end col-->

    <div class="col-lg-3 col-md-6 col-12 mt-4 pt-2">
        <div class="mt-4 pt-2">
            <div class="team position-relative d-block text-center">                    <div class="image
position-relative d-block overflowhidden">
                <img src="/static/assets/img/6.png" class="img-fluid rounded" alt="">
                <div class="overlay rounded bg-dark"></div>                    </div>
```

```
                <div class="content py-2 member-position bg-white border-
```

```
bottom overflow-hidden rounded d-inline-block">
                    <h4 class="title mb-0">Rishitha</h4>
                    <!-- <small class="text-muted">Developer</small> -->
                </div>
                <ul class="list-unstyled team-social social-icon social mb-0">
                    <li class="list-inline-item"><a href="javascript:void(0)" class="rounded"><i class="mdi
mdi-facebook" title="Facebook"></i></a></li>
                    <li class="list-inline-item"><a href="javascript:void(0)" class="rounded"><i class="mdi
mdi-instagram" title="Instagram"></i></a></li>
                    <li class="list-inline-item"><a
href="javascript:void(0)" class="rounded"><i class="mdi mdi-twitter" title="Twitter"></i></a></li>
                    <li    class="list-inline-item"><a    href="javascript:void(0)"    class="rounded"><i
class="mdi mdi-google-plus" title="Google +"></i></a></li>
                    <li class="list-inline-item"><a href="javascript:void(0)" class="rounded"><i class="mdi
mdi-linkedin" title="Linkedin"></i></a></li>
                    <li style="color: antiquewhite;">contact no:
9390995729</li>
                </ul><!--end icon-->
            </div>
        </div>
    </div><!--end col-->

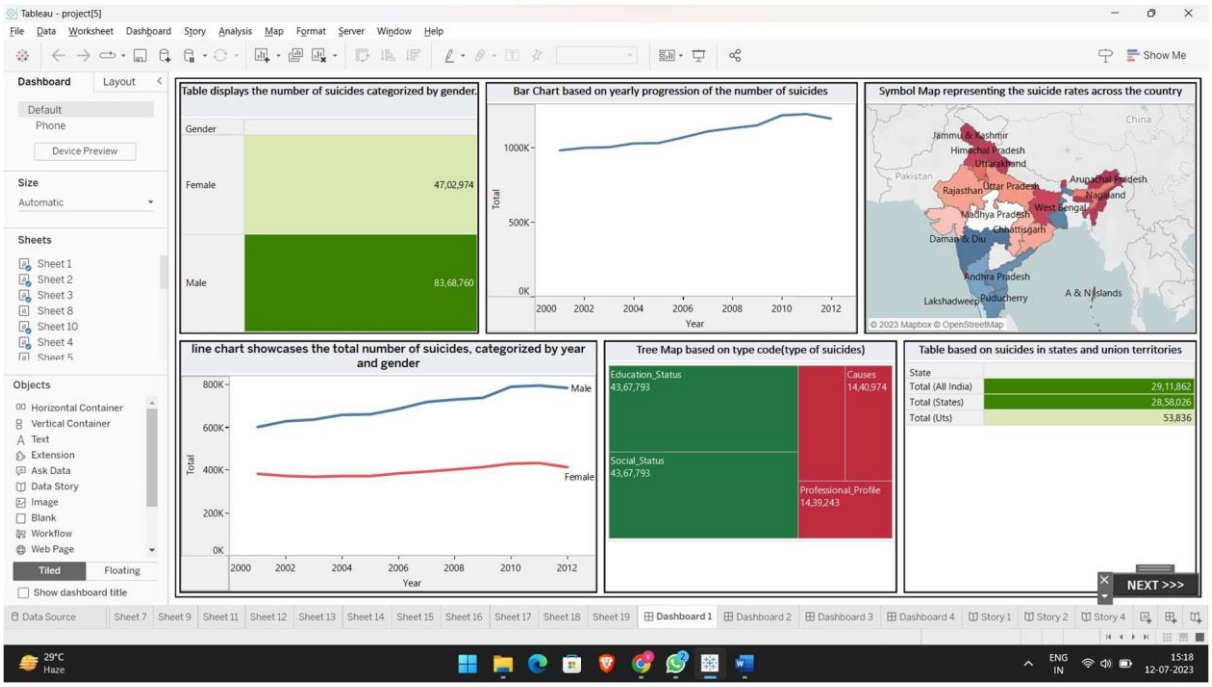
    <div class="col-lg-3 col-md-6 col-12 mt-4 pt-2">
        <div class="mt-4 pt-2">
            <div class="team position-relative d-block text-center">                    <div class="image
position-relative d-block overflowhidden">
                    <img src="/static/assets/img/4.png" class="img-fluid rounded" alt="">
                    <div class="overlay rounded bg-dark"></div>
                </div>
                <div class="content py-2 member-position bg-white borderbottom overflow-hidden rounded
d-inline-block">
                    <h4 class="title mb-0">Greeshma</h4>
                    <!-- <small class="text-muted">Designer</small> -->                </div>
                <ul class="list-unstyled team-social social-icon social mb-0">
                    <li class="list-inline-item"><a
href="javascript:void(0)" class="rounded"><i class="mdi mdi-facebook"
title="Facebook"></i></a></li>
```

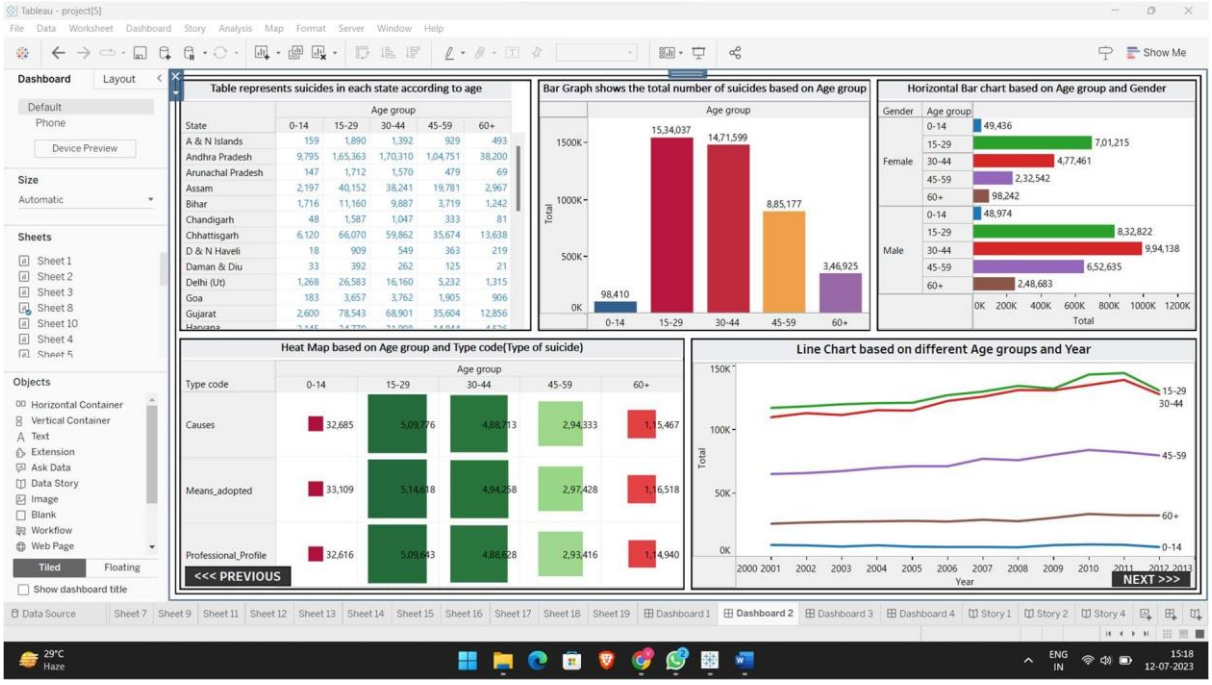
```
                    <li class="list-inline-item"><a
```

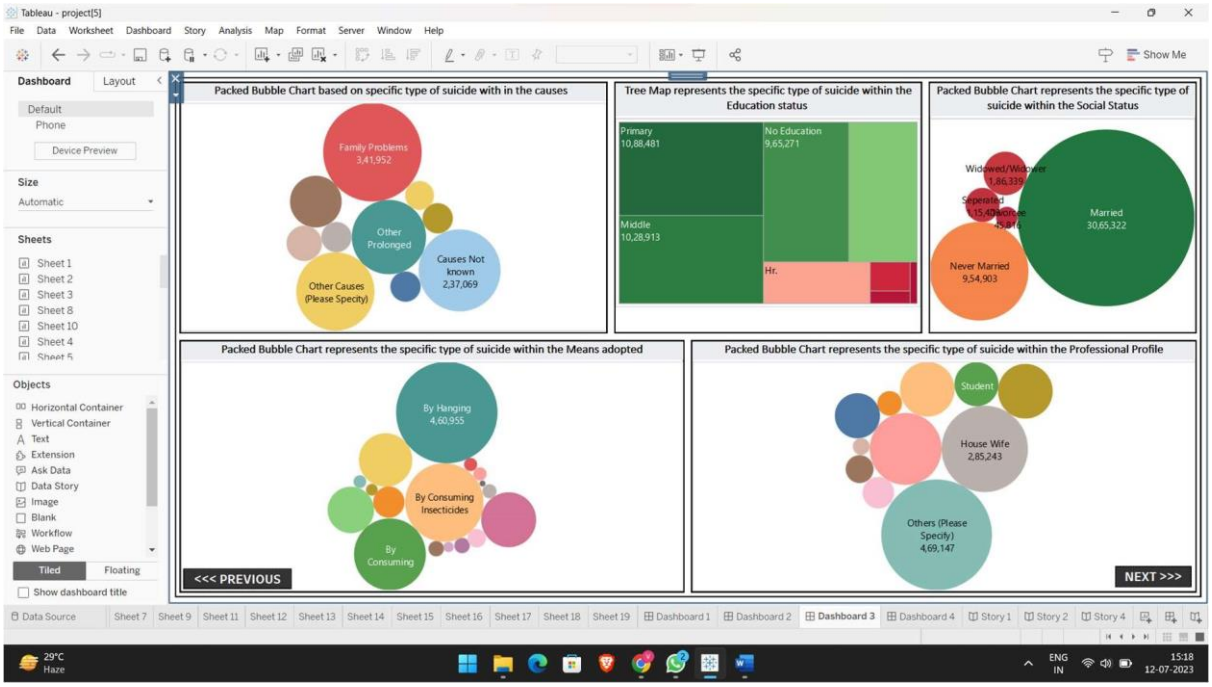
```
href="javascript:void(0)" class="rounded"><i class="mdi mdi-instagram" title="Instagram"></i></a></li>
                    <li class="list-inline-item"><a href="javascript:void(0)" class="rounded"><i class="mdi
mdi-twitter" title="Twitter"></i></a></li>
                    <li     class="list-inline-item"><a     href="javascript:void(0)"     class="rounded"><i
class="mdi mdi-google-plus" title="Google +"></i></a></li>
                    <li class="list-inline-item"><a href="javascript:void(0)" class="rounded"><i class="mdi
mdi-linkedin" title="Linkedin"></i></a></li>
                    <li style="color: antiquewhite;">Contact no:
7993919091</li>
                </ul><!--end icon-->
            </div>
        </div>
    </div><!--end col-->
  </div><!--end row-->
</div>
</section>
    <!--team members-->
    <!-- Footer-->
    <footer class="bg-light py-5">
        <div class="container px-4 px-lg-5"><div class="small text-center text-muted">Copyright &copy;
2023</div></div>
    </footer>
    <!-- Bootstrap core JS-->
    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.3/dist/js/bootstrap.bundle.min .js"></script>
    <!-- SimpleLightbox plugin JS-->
    <script
src="https://cdnjs.cloudflare.com/ajax/libs/SimpleLightbox/2.1.0/simpleLightbo x.min.js"></script>
    <!-- Core theme JS-->
    <script src="/static/js/scripts.js"></script>        <script
src="https://cdn.startbootstrap.com/sb-formslatest.js"></script>
  </body>
</html>
```

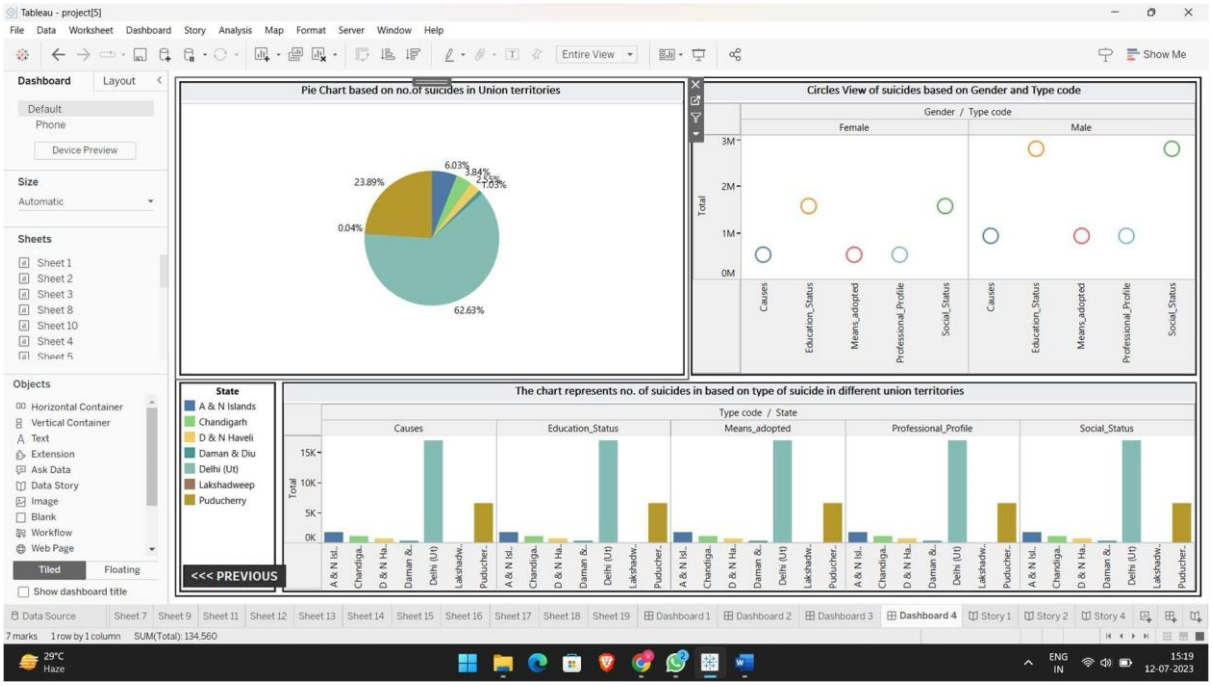
B. Dashboard Screen shorts & link

https://public.tableau.com/views/projectdashboard_16880184848230/Dashboard4?:language=en-GB&:display_count=n&:origin=viz_share_link





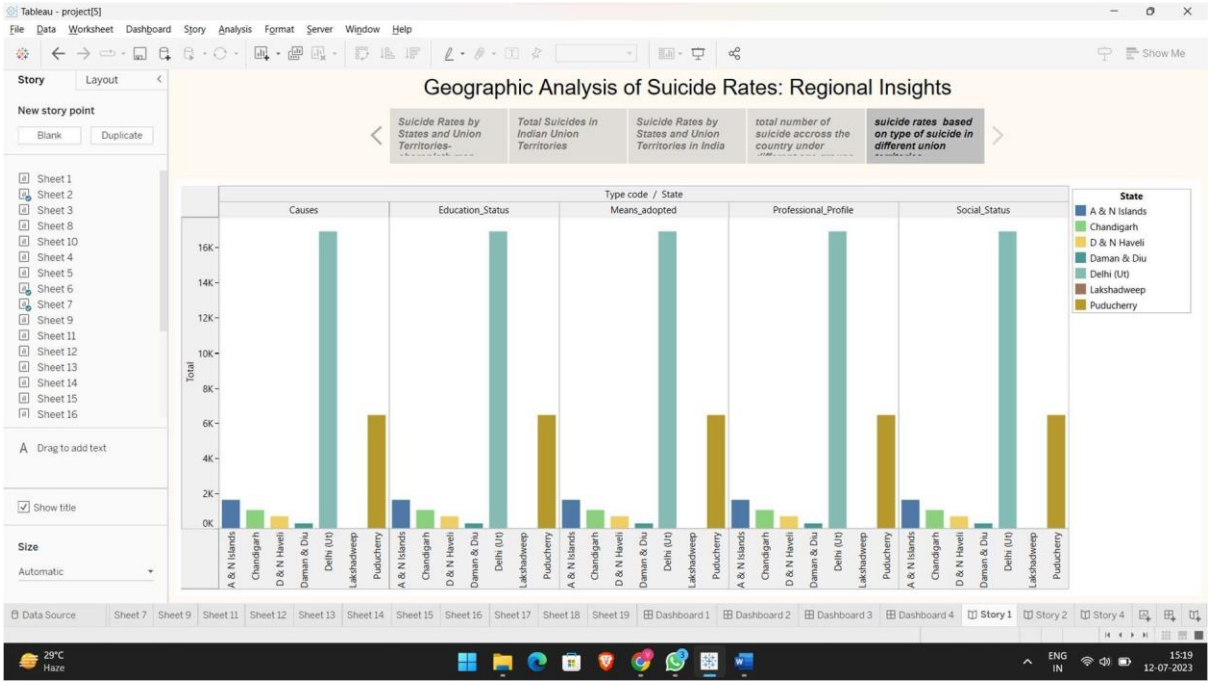




C. Story Screen shorts

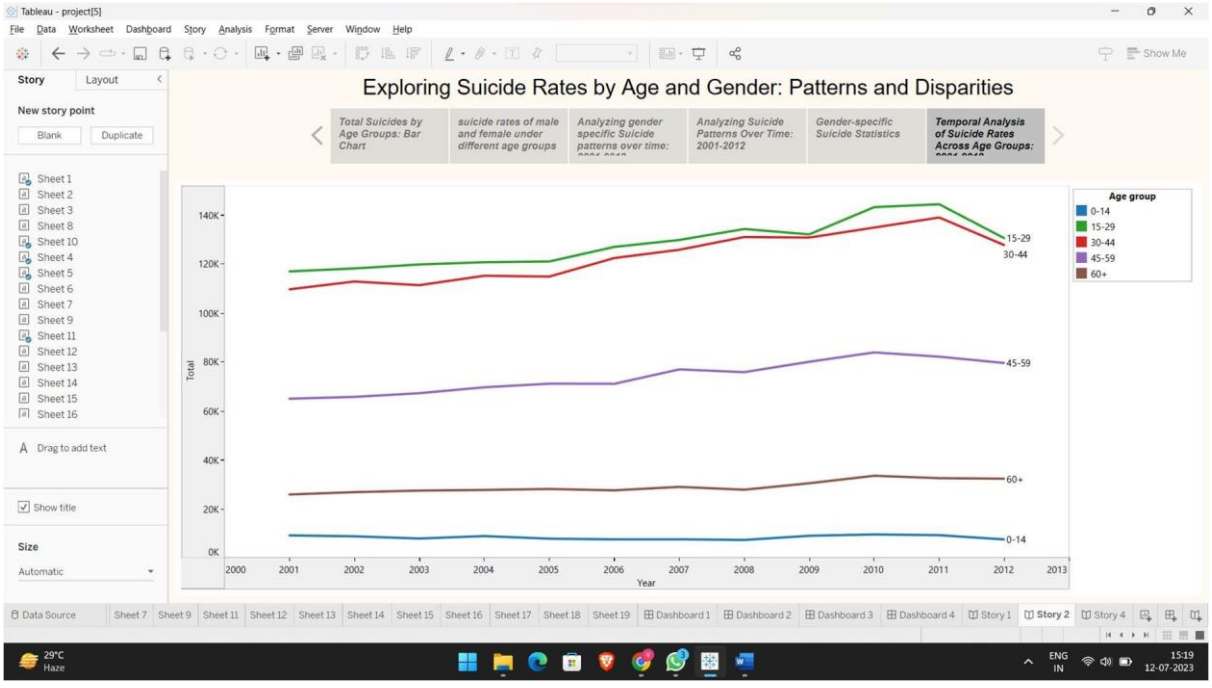
Story 1:

https://public.tableau.com/views/projectstory1_16874520789110/Story1?:langu age=en-GB&:display_count=n&:origin=viz_share_link



Story 2:

https://public.tableau.com/views/projectstory2_16874525723020/Story2?:langu age=en-GB&:display_count=n&:origin=viz_share_link



Story 3:

https://public.tableau.com/views/projectstory3/Story4?:language=en-GB&:display_count=n&:origin=viz_share_link

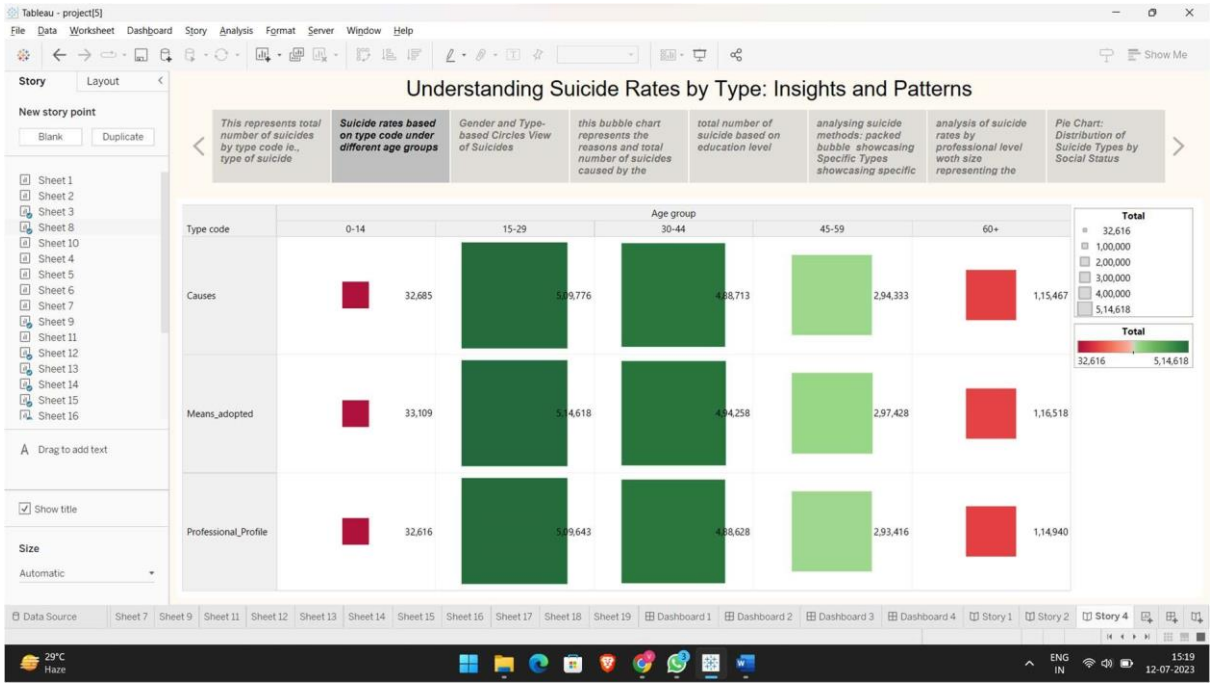


Tableau - project[5]
File Data Worksheet Dashboard Story Analysis Format Server Window Help
Show Me
Story
Layout
New story point
Blank
Duplicate
Sheet 1
Sheet 2
Sheet 3
Sheet 8
Sheet 10
Sheet 4
Sheet 5
Sheet 6
Sheet 7
Sheet 9
Sheet 11
Sheet 12
Sheet 13
Sheet 14
Sheet 15
Sheet 16
Drag to add text
Show title
Size
Automatic
Understanding Suicide Rates by Type: Insights and Patterns
This represents total number of suicides by type code ie., type of suicide
Suicide rates based on type code under different age groups
Gender and Type-based Circles View of Suicides
this bubble chart represents the reasons and total number of suicides caused by the
total number of suicide based on education level
analysing suicide methods: packed bubble showcasing Specific Types showcasing specific
analysis of suicide rates by professional level woth size representing the
Pie Chart: Distribution of Suicide Types by Social Status
Age group
Type code
0-14
15-29
30-44
45-59
60+
Causes
32,685
5,09,776
4,88,713
2,94,333
1,15,467
Means_adopted
33,109
5,14,618
4,94,258
2,97,428
1,16,518
Professional_Profile
32,616
5,09,643
4,88,628
2,93,416
1,14,940
Total
32,616
1,00,000
2,00,000
3,00,000
4,00,000
5,14,618
Total
32,616
5,14,618
Data Source
Sheet 7
Sheet 9
Sheet 11
Sheet 12
Sheet 13
Sheet 14
Sheet 15
Sheet 16
Sheet 17
Sheet 18
Sheet 19
Dashboard 1
Dashboard 2
Dashboard 3
Dashboard 4
Story 1
Story 2
Story 4
29°C
Haze
ENG
IN
15:19
12-07-2023