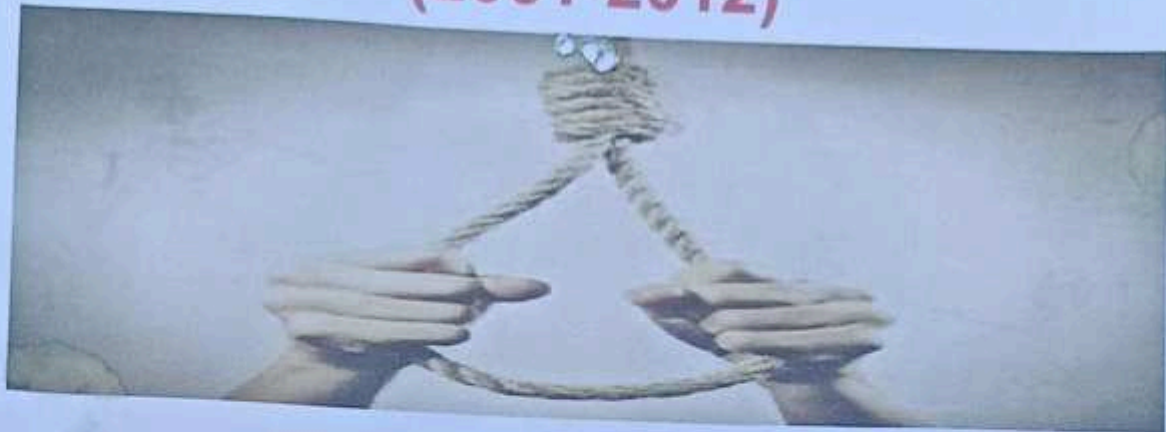# Long Term Internship

Suicides In India
(2001-2012)

Team Details

Boddana Ramana(Team Lead)
Kankipati Udaya Sri
Althi Naresh
Bammidi Srihari
Arasada Karthik

SUICIDES IN INDIA

INTRODUCTION :

During our long-term internship with "[Smart Bridge]", we are drived into the world of data analytics, with a primary focus on suicides in India between the years of 2001 to 2012.

In this introduction section, we will provide an overview of the importance of data visualisation in conveying insights and our objective to create informative visualisations, including dashboards and data stories.

Overview:

The overview of the topic of suicides in India during the period from 2001 to 2012, the ratio is increased 22.8%.

The highest suicide rate was observed in 2011. The majority of suicides (74.6%) were due to family problems, illness or mental health issue. The major sectors in suicides are suicide rate, causes age group and types of suicides

Purpose :

The purpose of this project is to investigate the complex issue of suicides in India, identifying trends, causes and prevention strategies to reduces the suicide rate. Through data analysis research and stakeholder engagement, this project aims to contribute to the development of effective suicide prevention programs. To reduce suicide rates and promote public awareness.

LITERATURE SURVEY :

Suicides in India is a complex and multipurpose issue, with various studies highlighting its prevelance, risk factors and prevention strategies.

Highest suicides - Maharastra had the highest number of suicides between 2001 to 2012, with 901,945 cases.

Lowest suicides - Lakshadweep had the lowest number of suicides, with 50 cases. The main causes of suicide is family problems were the most common cause of suicide, with 121,427 cases, followed by failure in examinations, love affairs and unemployment etc.

Mostly 15-59 years age group between highly common suicide rate.

Existing problem :

Increase access to mental health services, especially in rural areas. Train mental health professionals and provide resources for support. promote helplines and online support platforms. Launch public awareness compaigns to reduce sigma around mental health. Improve data collection and reporting systems.

Proposed Solutions

Develop innovative solutions for suicide prevention. Establish crisis hotlines and emergency services. provide immediate support and counselling. Encourges social connections and community Engagement.

THEORITICAL ANALYSIS

Block Diagram

```
┌──────────────┐      ┌──────────┐                    ┌──────────────┐
│ Raw data     │─────▶│ Data is  │──────────┐         │ Exploratory  │
│ Collected    │      │ processed│          │         │ data analysis│
└──────────────┘      └──────────┘          │         └──────────────┘
        ▲                                    ▼                ▲
        │                            ┌──────────────┐         │
        │                            │ Clear data set│◀───────┘
        │                            └──────────────┘
        │                                    │
        │                                    ▼
        │                            ┌──────────────┐
        │                            │ Models &     │
        │          ┌─────────────────│ Algorithms   │
        │          ▼                 └──────────────┘
┌─────────┐  ┌──────────┐   ┌──────────────┐   ┌──────────┐
│ Reality │  │ Data     │   │ Communication│──▶│ Make     │
│         │  │ product  │   │ visualisation│   │ decisions│
└─────────┘  └──────────┘   └──────────────┘   └──────────┘
                                                     │
                                                     ▼
                                              ┌──────────┐
                                              │          │
                                              └──────────┘
```
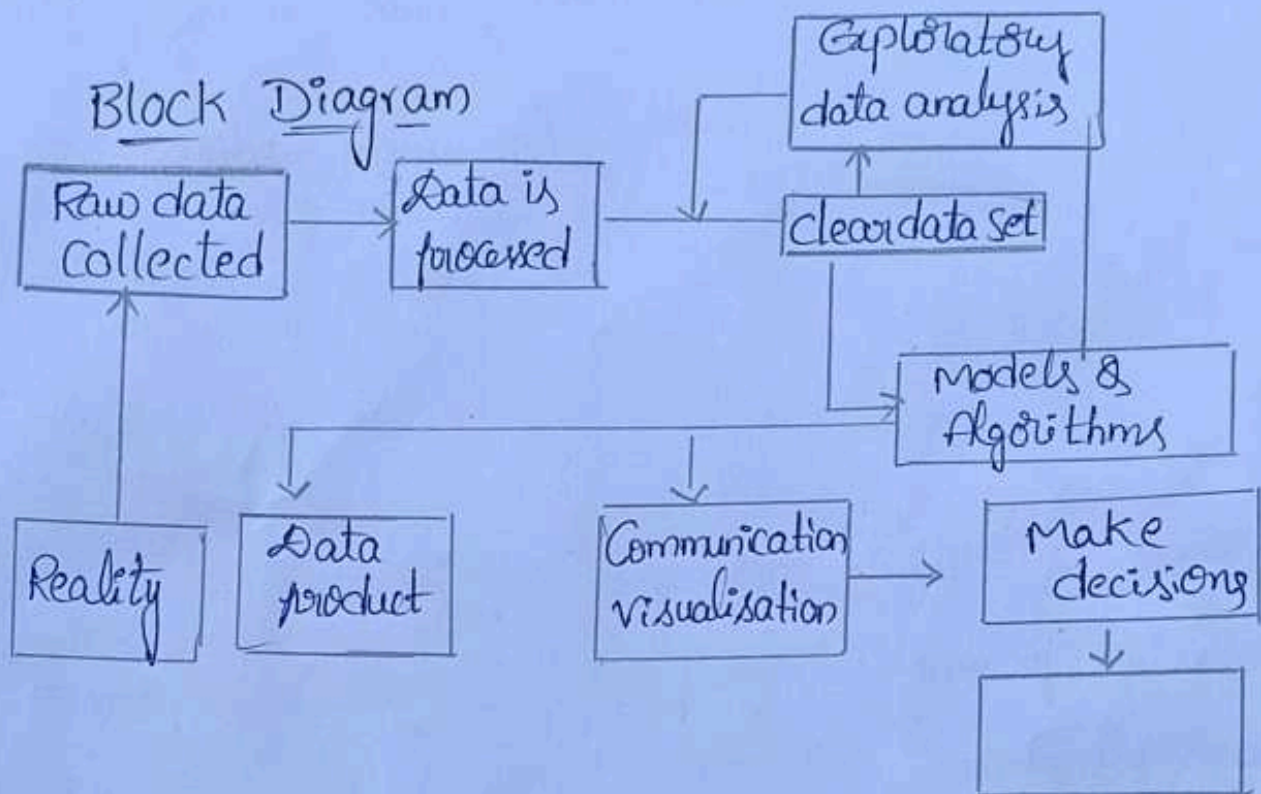
Hardware / Software designing

Hardware

1. Servers

2. Data Storage

3. Networking

4. Work Station

Software

1. programming Languages

2. Data visualisation Tools

3. Machine learning libraries

4. Database mangement systems
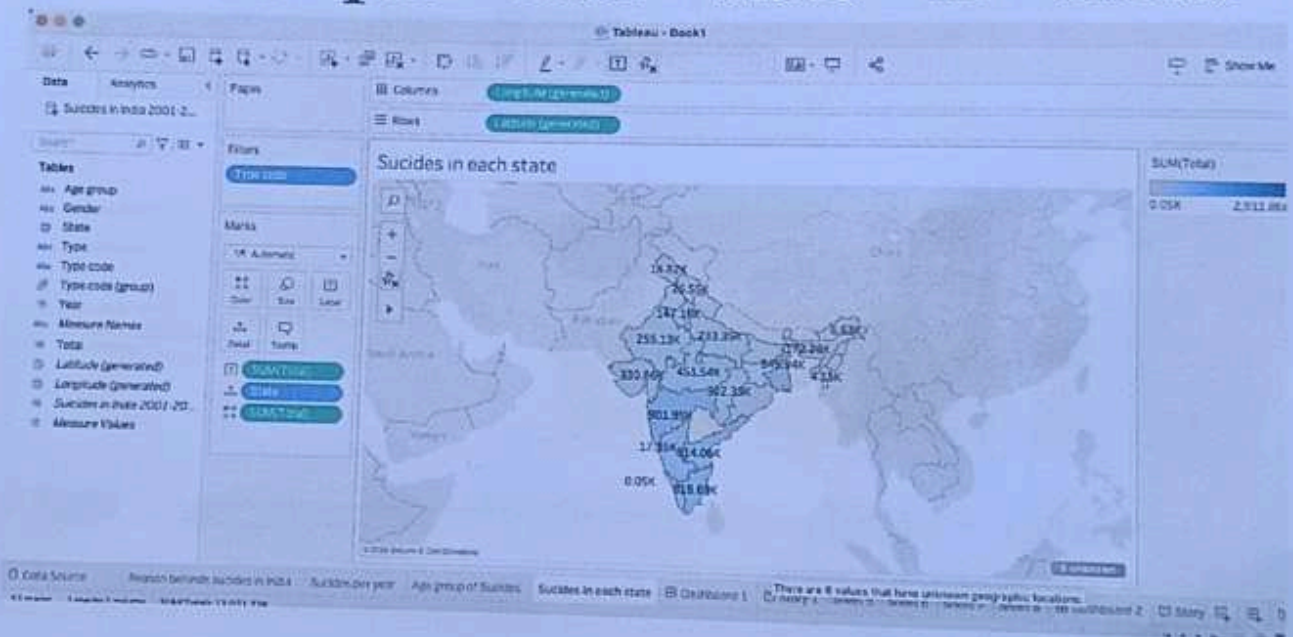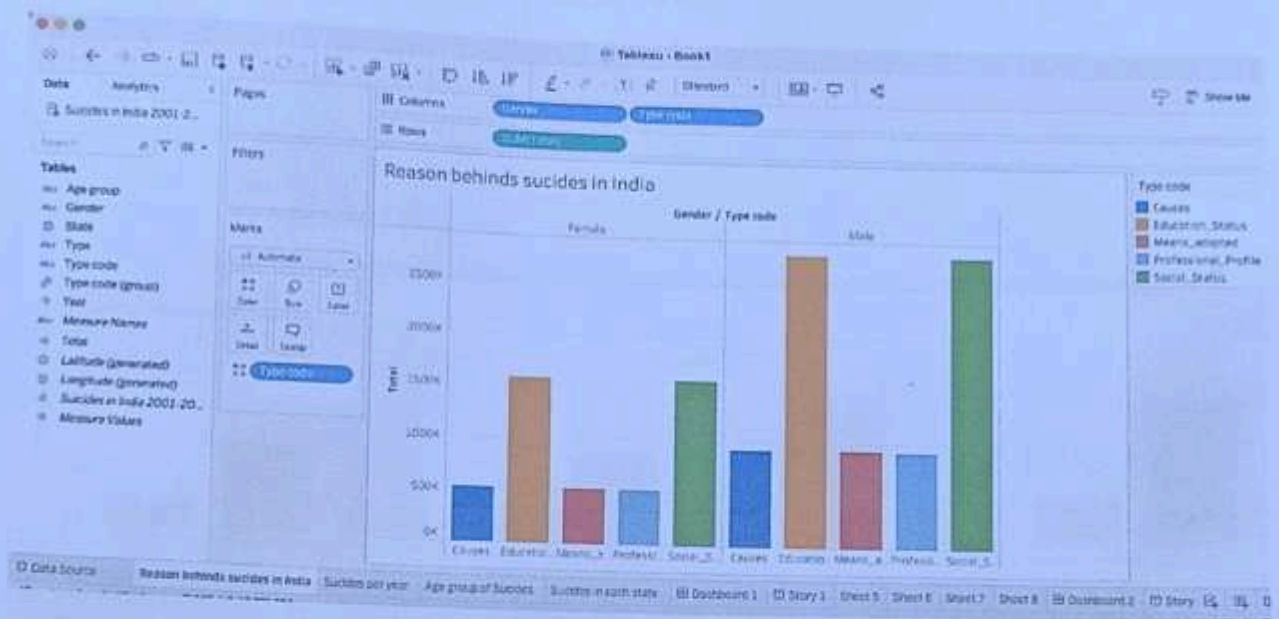
5. Operating Systems

RESULT

During our long-term internship with Smart Bridge along with the project name of suicides in India the result of visual Explanation among the year of 2001 to 2012. By implementing solution to decreased suicide ratio as a result.

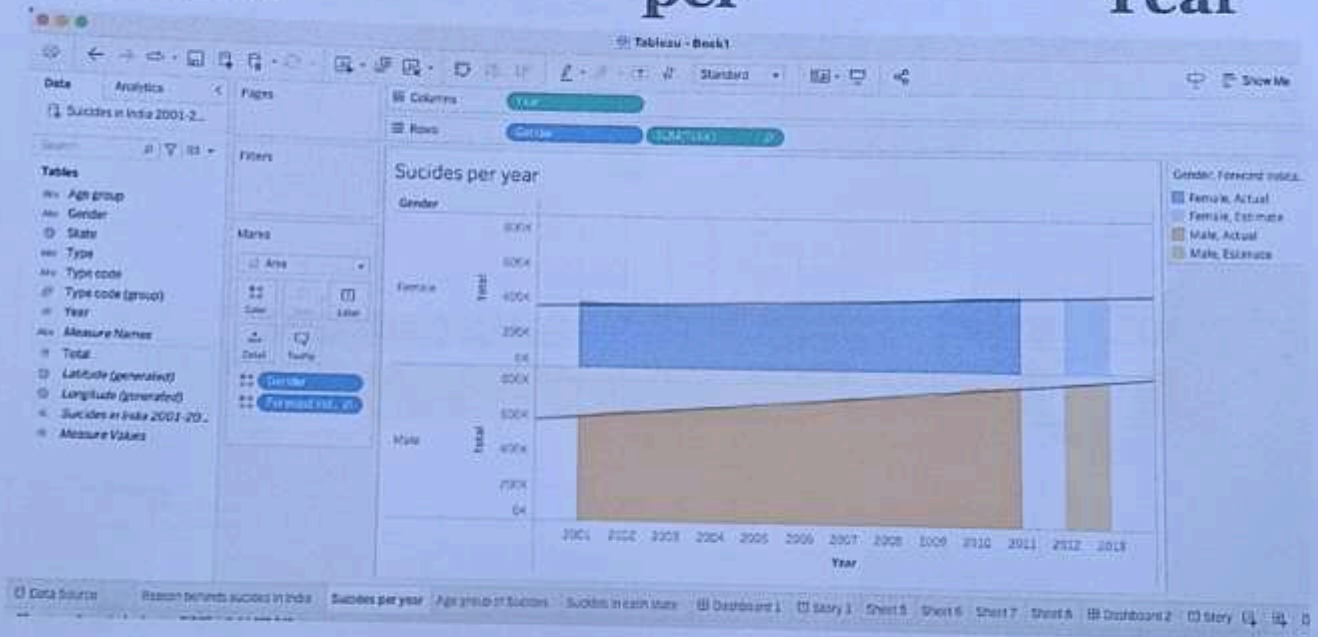# Suicides classification on Age group
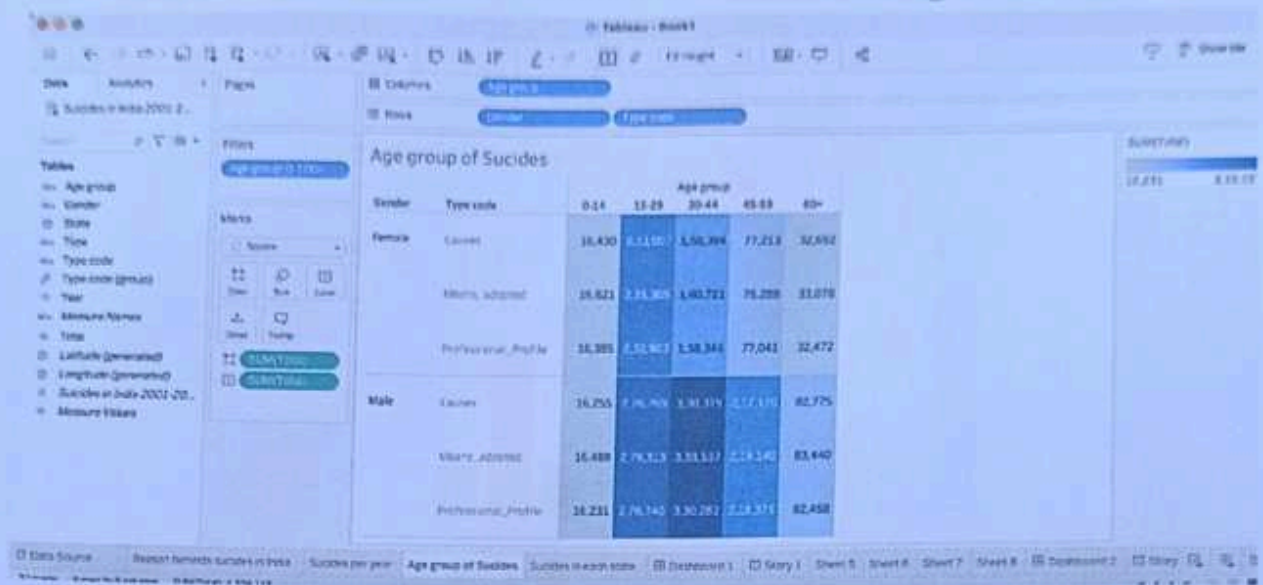
Suicides per each state in India

Suicides per Year
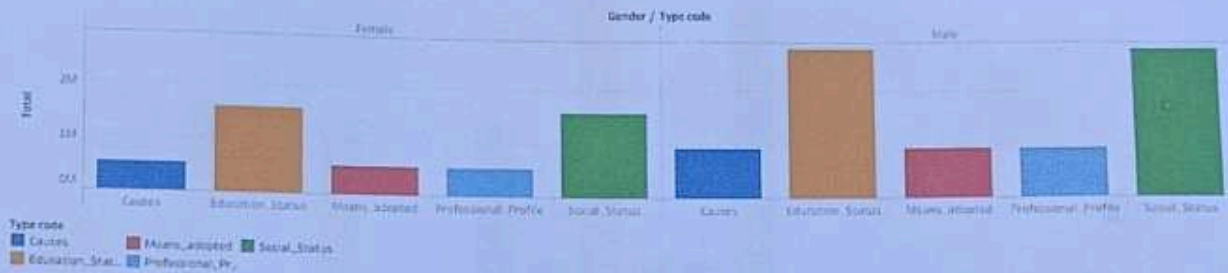
Dashboard

SUCIDES IN INDIA

Age group of Sucides

Gender	Type code	Age group 0-14	15-29	30-44	45-59	60+
Female	Causes	16,436	233,007	159,934	77,213	32,692
	Means_adopted	16,621	295,306	160,721	78,285	33,070
	Professional_Profile	16,385	237,461	150,346	77,041	32,472
Male	Causes	16,255	276,769	332,310	217,122	82,775
	Means_adopted	16,488	279,313	331,537	218,543	83,440
	Professional_Profile	16,231	276,100	335,282	215,275	82,460

Total
16,231 ▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬ 335,587

Reason behinds sucides in India

Type code
- Causes
- Education_Stat..
- Means_adopted
- Professional_Pr..
- Social_Status

Sucides in each state

© 2024 Mapbox © OpenStreetMap

Sucides per year

Gender, Forecast indicator
- Female, Actual
- Female, Estimate
- Male, Actual
- Male, Estimate

Story

Story 1

In India there are so many reasons behinds sucide like as education status, Social impacts on personel life etc...
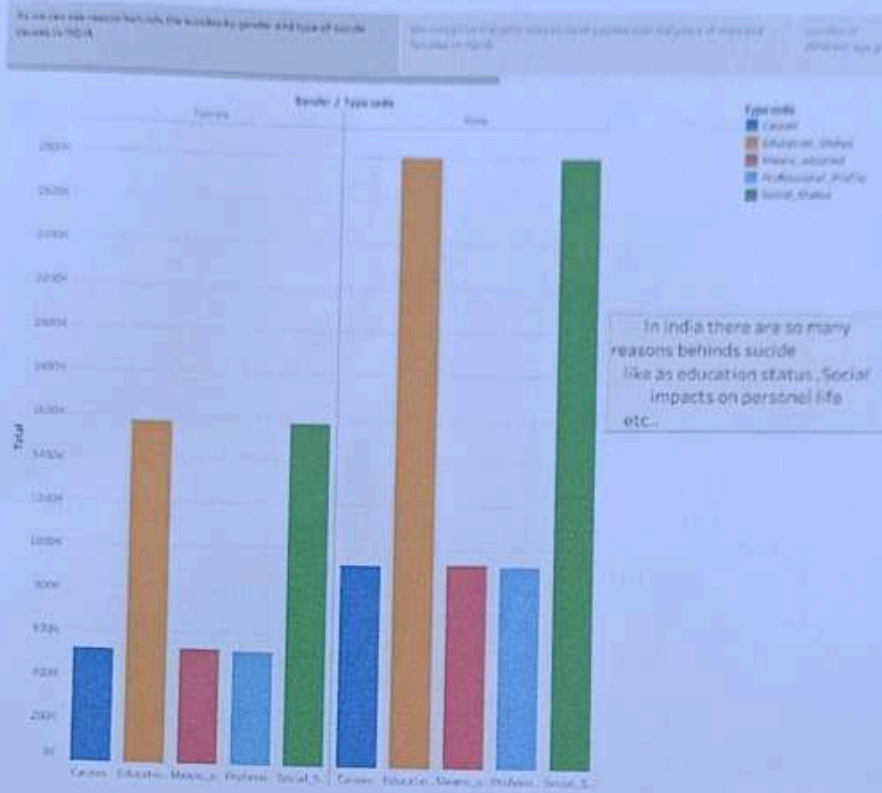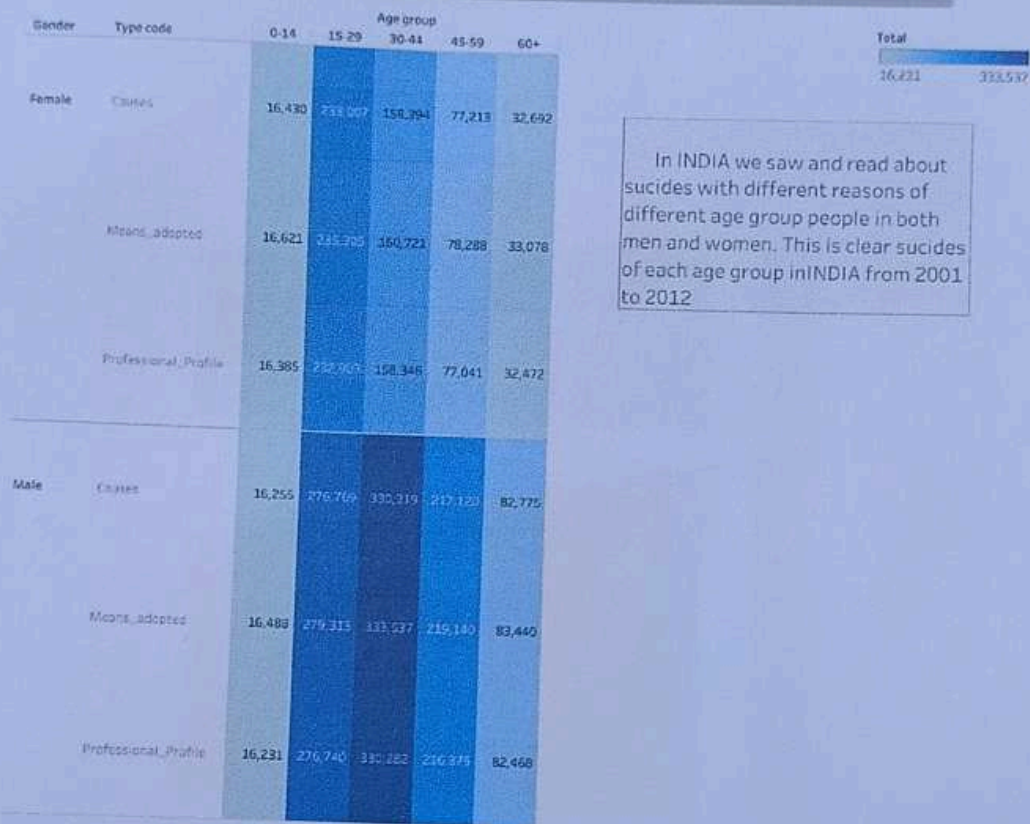
story

Story 1

We recognize the rising mounting of suicides over the years of male and female in INDIA.

Sucides of different age groups with cause of sucides of people in INDIA.
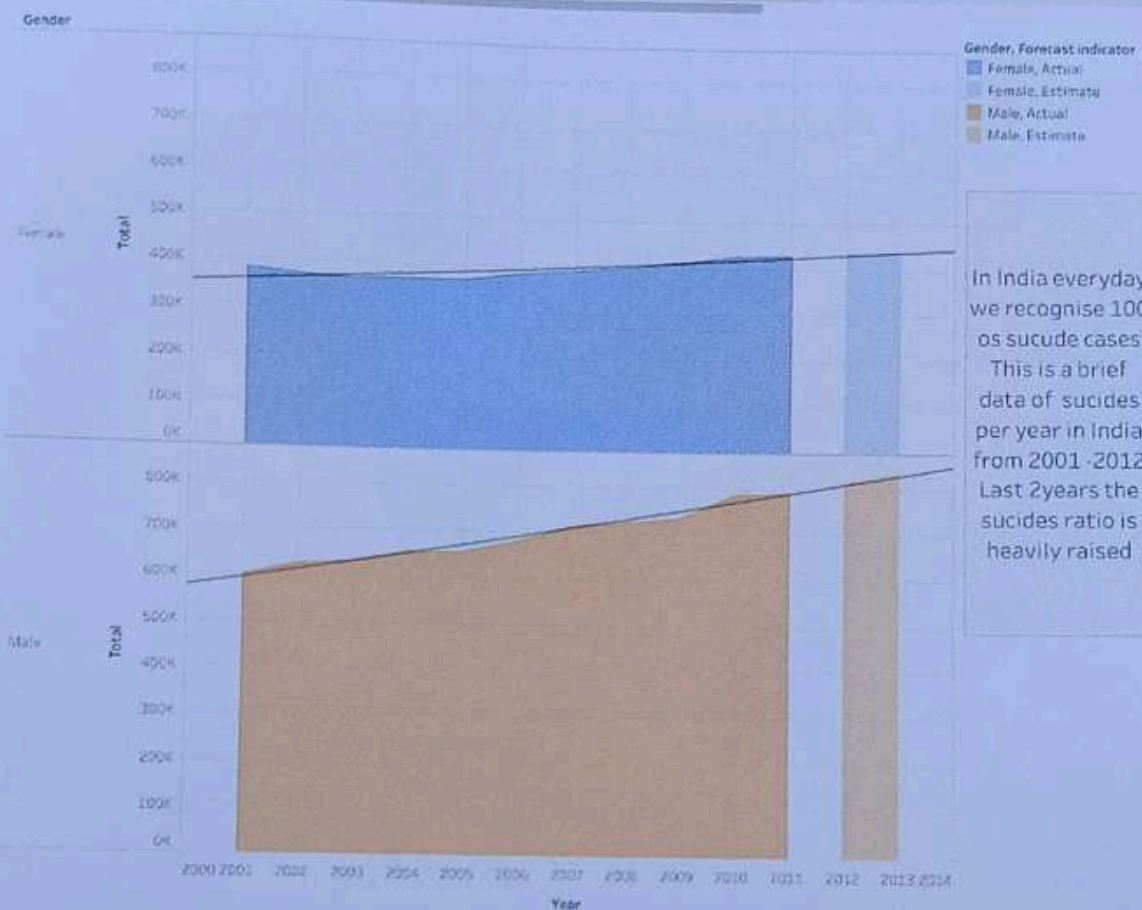
This is a suicide revenue of each state in INDIA

Gender	Type code	Age group						Total
		0-14	15-29	30-41	45-59	60+		16,231 ... 333,537
Female	Causes	16,430	233,007	158,394	77,213	32,692		
	Means_adopted	16,621	235,305	160,721	78,288	33,078		
	Professional_Profile	16,385	232,907	158,346	77,041	32,472		
Male	Causes	16,255	276,769	330,319	217,120	82,775		
	Means_adopted	16,483	279,313	333,537	219,140	83,440		
	Professional_Profile	16,231	276,740	330,282	216,375	82,468		

In INDIA we saw and read about sucides with different reasons of different age group people in both men and women. This is clear sucides of each age group inINDIA from 2001 to 2012

Story 1

We recognise the ratio increasing of suicides over the years of male and females in INDIA

Gender

Gender, Forecast indicator
- Female, Actual
- Female, Estimate
- Male, Actual
- Male, Estimate

In India everyday
we recognise 100
os sucude cases
This is a brief
data of sucides
per year in India
from 2001 -2012
Last 2years the
sucides ratio is
heavily raised

Story 1

Total
0.05K   2,911.86K

In our India so many no of state AP, Kerala Goa Delhi etc. . But in every state every day we saw no of sucides with different problems . This is a state wise representation of sucides in INDIA from 2001 to 2012 . Maximum highest no of sucides from Maharastra least no of sucides from Goa

© 2024 Mapbox © OpenStreetMap

Advantages & Disadvantages

Advantages

1. Improved mental health support
2. Reduced Suicide rate
3. Increased awareness
4. Scalability
5. Community engagement

Disadvantages

1. Complexity
2. Stigma
3. Data privacy and Security
4. Sustainability
5. Cultural Sensitivity

APPLI CATIONS

1. Research and Analysis
2. policy Development
3. Education and Training
4. Digital Health Solutions
5. Global Mental Health

CONCLUSION :

In the Conclusion, we will summarize the significance of our internship project with Smart Bridge - this section will Emphasize the value of data analytics and data visualization in the context of suicides in India. We will retrieve the key takeaways from our work and highlights its potential impact on the field.

FUTURE SCOPE :

The internship project on suicides India has laid the groundwork for a Comprehensive and sustainable approach to addressing mental health and suicide prevention, future Scope includes scaling up the project to other regions and Countries, adapting solutions to local Contexts. Integrating AI & machine learning to enhance data analysis, prediction, and intervention. Developing digital mental health solutions and online support platforms.

Conclusion

Finally we create a web integration by using flask .

We will summarize the significance with our internship project Smartbridge. This project emphasizes the value of data analytics by working on project .

The web integration code: INDEX.html

```html
<!DOCTYPE html>
<html lang="en">

<head>

    <meta charset="utf-8">
    <meta content="width=device-width, initial-scale=1.0" name="viewport">

    <title>Sucide in INDIA </title>
    <meta content="" name="description">
    <meta content="" name="keywords">

    <!-- Favicons -->
    <link href="static/img/favicon.png" rel="icon">
    <link href="static/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|Raleway:300,300i,400,400i,500,500i,600,600i,700,700i|Poppins:300,300i,400,
400i,500,500i,600,600i,700,700i"
    rel="stylesheet">
```

```html
    <!-- Vendor CSS Files -->
    <link href="static/vendor/aos/aos.css" rel="stylesheet">
    <link href="static/vendor/bootstrap/css/bootstrap.min.css" rel="stylesheet">
    <link href="static/vendor/bootstrap-icons/bootstrap-icons.css" rel="stylesheet">
    <link href="static/vendor/boxicons/css/boxicons.min.css" rel="stylesheet">
    <link href="static/vendor/glightbox/css/glightbox.min.css" rel="stylesheet">
    <link href="static/vendor/remixicon/remixicon.css" rel="stylesheet">
    <link href="static/vendor/swiper/swiper-bundle.min.css" rel="stylesheet">

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

    <!-- =======================================================
    * Template Name: Gp
    *                                         Template                              URL:
    https://bootstrapmade.com/gp-free-multipurpose-html-bootstrap-template/
    * Updated: Mar 17 2024 with Bootstrap v5.3.3
    * 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-lg-between">

            <h1 class="logo me-auto me-lg-0"><a
href="index.html">SUCIDES<span>.</span></a></h1>
            <!-- Uncomment below if you prefer to use an image logo -->
            <!-- <a href="index.html" class="logo me-auto me-lg-0"><img
src="static/img/logo.png" alt="" class="img-fluid"></a>-->

            <nav id="navbar" class="navbar order-last order-lg-0">
                <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>
```

```html
              <li><a   class="nav-link   scrollto   "
href="#portfolio">Story</a></li>
              <li><a class="nav-link scrollto" href="#team">Team</a></li>
              <li class="dropdown"><a href="#"><span>Drop Down</span> <i
class="bi bi-chevron-down"></i></a>
                <ul>
                  <li><a href="#">Drop Down 1</a></li>
                  <li class="dropdown"><a href="#"><span>Deep Drop
Down</span> <i
                    class="bi bi-chevron-right"></i></a>
                    <ul>
                      <li><a href="#">Deep Drop Down 1</a></li>
                      <li><a href="#">Deep Drop Down 2</a></li>
                      <li><a href="#">Deep Drop Down 3</a></li>
                      <li><a href="#">Deep Drop Down 4</a></li>
                      <li><a href="#">Deep Drop Down 5</a></li>
                    </ul>
                  </li>
                  <li><a href="#">Drop Down 2</a></li>
                  <li><a href="#">Drop Down 3</a></li>
                  <li><a href="#">Drop Down 4</a></li>
                </ul>
              </li>
              <li><a   class="nav-link   scrollto"
href="#contact">Contact</a></li>
            </ul>
            <i class="bi bi-list mobile-nav-toggle"></i>
          </nav><!-- .navbar -->

          <a href="#about" class="get-started-btn scrollto">Get Started</a>

      </div>
    </header><!-- End Header -->

    <!-- ======= Hero Section ======= -->
    <section id="hero" class="d-flex align-items-center justify-content-center">
      <div class="container" data-aos="fade-up">

        <div   class="row   justify-content-center"   data-aos="fade-up"
data-aos-delay="150">
          <div class="col-xl-6 col-lg-8">
            <h1>Sucides In INDIA<span>.</span></h1>
```

```html
            <h2>This is a digital ecxplination of sucides</h2>
        </div>

      </div>

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

   <main id="main">

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

            <div class="row">
               <div class="col-lg-6 order-1 order-lg-2" data-aos="fade-left"
data-aos-delay="100">
                  <img src="static/img/about.jpg" class="img-fluid" alt="">
               </div>
               <div class="col-lg-6 pt-4 pt-lg-0 order-2 order-lg-1 content"
data-aos="fade-right"
                  data-aos-delay="100">
                  <h3>This is a pictural representation of raising sucides
ratio.</h3>
                  <p class="fst-italic">
                     In India every year sucides ratio raises highly of
previous year, and this is a
                     representation of sucides in India from past 2001 t0
2012 depending on different sucide
                     causes.
                  </p>
                  <ul>
                     <li><i class="ri-check-double-line"></i> Why the sucides
gaines every year what is the major
                        resons for sucides.</li>
                     <li><i class="ri-check-double-line"></i> The tremandos
sucides of each year </li>
                     <li><i class="ri-check-double-line"></i>sucides division
into different age droups.</li>
                  </ul>
                  <p>
```

```html
                                In India each and every state recorded no of sucides
cases everyday.
                    </p>
                </div>
            </div>

        </div>
    </section><!-- End About Section -->

    <!-- ======= Clients Section ======= -->
    <section id="clients" class="clients">
        <div class="container" data-aos="zoom-in">

        </div>
    </section><!-- End Clients Section -->

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

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

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

            <div class="section-title">
                <h2>Dashboard</h2>
                <p>Check the visual representation of sucides data in India
prefers from 2001 to 2012</p>
            </div>

            <div class="row">
                <div class='tableauPlaceholder' id='viz1713425474576'
style='position: relative'><noscript><a
                    href='#'><img alt='SUCIDES IN INDIA '
src='https:&#47;&#47;public.tableau.com&#47;static&#47;images&#47;Su&#47;SucidesDas
hboard&#47;Dashboard1&#47;1_rss.png'
                    style='border: none' /></a></noscript><object
class='tableauViz'
                    style='display:none;'>
                        <param name='host_url'
value='https%3A%2F%2Fpublic.tableau.com%2F' />
```

```html
                              <param name='embed_code_version' value='3' />
                              <param name='site_root' value='' />
                                                          <param    name='name'
value='SucidesDashboard&#47;Dashboard1' />
                              <param name='tabs' value='no' />
                              <param name='toolbar' value='yes' />
                              <param name='static image'
value='https:&#47;&#47;public.tableau.com&#47;static&#47;images&#47;Su&#47;SucidesD
ashboard&#47;Dashboard1&#47;1.png' />
                              <param name='animate transition' value='yes' />
                              <param name='display static image' value='yes' />
                              <param name='display spinner' value='yes' />
                              <param name='display overlay' value='yes' />
                              <param name='display count' value='yes' />
                              <param name='language' value='en-US' />
            </object></div>
            <script
            type='text/javascript'>                              var divElement =
document.getElementById('viz1713425474576');          var         vizElement       =
divElement.getElementsByTagName('object')[0]; if (divElement.offsetWidth > 800) {
vizElement.style.width = '1000px'; vizElement.style.height = '827px'; } else if
(divElement.offsetWidth   >   500)   {    vizElement.style.width    =    '1000px';
vizElement.style.height  =  '827px';  }  else  {  vizElement.style.width  =  '100%';
vizElement.style.height        =        '1427px';        }        var        scriptElement      =
document.createElement('script');                    scriptElement.src                  =
'https://public.tableau.com/javascripts/api/viz_v1.js';
vizElement.parentNode.insertBefore(scriptElement,                              vizElement);
</script>
            </div>
        </div>
    </section><!-- End Services Section -->


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


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


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

```html
<div class="section-title">
    <h2>Story</h2>
    <p>Check the visual narration on data about sucide in India</p>
</div>

<div class="row" data-aos="fade-up" data-aos-delay="100">
    <div class="col-lg-12 d-flex justify-content-center">
        <div class='tableauPlaceholder' id='viz1713414887799' style='position: relative'><noscript><a href='#'><img alt='Story 1 ' src='https://public.tableau.com&#47;static&#47;images&#47;St&#47;StoryofSucides&#47;Story1&#47;1 rss.png' style='border: none' /></a></noscript><object class='tableauViz' style='display:none;'><param name='host_url' value='https%3A%2F%2Fpublic.tableau.com%2F' /><param name='embed_code_version' value='3' /><param name='site_root' value='' /><param name='name' value='StoryofSucides&#47;Story1' /><param name='tabs' value='no' /><param name='toolbar' value='yes' /><param name='static_image' value='https://public.tableau.com&#47;static&#47;images&#47;St&#47;StoryofSucides&#47;Story1&#47;1.png' /><param name='animate_transition' value='yes' /><param name='display_static_image' value='yes' /><param name='display_spinner' value='yes' /><param name='display_overlay' value='yes' /><param name='display_count' value='yes' /><param name='language' value='en-US' /></object></div>
        <script type='text/javascript'>                    var divElement = document.getElementById('viz1713414887799'); 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>
                        </div>

                    </div>

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

            <!-- ======= Counts Section ======= -->
            <section id="counts" class="counts">
                <div class="container" data-aos="fade-up">
                </div>
            </section><!-- End Counts Section -->

            <!-- ======= Testimonials Section ======= -->
            <section id="testimonials" class="testimonials">
                <div class="container" data-aos="zoom-in"></div>
            </section><!-- End Testimonials Section -->

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

                    <div class="section-title">
                        <h2>Team</h2>
                        <p>Check our Team</p>
                    </div>

                    <div class="row">
                        <h4>Boddana Pamana</h4>
                        <span>Team Leader</span>
                    </div>
                    <h4>Kankipati Udaya Sri</h4>
                    <h4>Althi Naresh</h4>
                    <h4>Bammidi Srihari</h4>
                    <h4>Arasada Karthik</h4>
                    <span>Team Members</span>
                </div>
            </div>

        </div>
```

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

        <!-- ======= Contact Section ======= -->
        <section id="contact" class="contact">
            <div class="container" data-aos="fade-up">
            </div>
        </section><!-- End Contact Section -->

    </main><!-- End #main -->

    <!-- ======= Footer ======= -->
    <div class="copyright">
        &copy; Copyright <strong><span>Go</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/gp-free-multipurpose-html-bootstrap-template/ -->
        Designed by <a href="https://bootstrapmade.com/">BootstrapMade</a>
    </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="static/vendor/purecounter/purecounter_vanilla.js"></script>
    <script src="static/vendor/aos/aos.js"></script>
    <script src="static/vendor/bootstrap/js/bootstrap.bundle.min.js"></script>
    <script src="static/vendor/glightbox/js/glightbox.min.js"></script>
    <script src="static/vendor/isotope-layout/isotope.pkgd.min.js"></script>
    <script src="static/vendor/swiper/swiper-bundle.min.js"></script>
    <script src="static/vendor/php-email-form/validate.js"></script>

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

</body>
```

```html
</html>
```

Flask Code:

```python
from flask import Flask,render template
app = Flask(   name   )  #initialising Flask


@app.route('/')
def index():
return render template('index.html')


if   name   == ' main ':
app.run()
```