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**Process Book for Mental Health In India**

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| **1 Overview**  In this project, we hope to identify the most common reasons for suicides and their geographical and demographic distribution in the country. Our visualization aims to find patterns in different causes, age-groups, and gender orientations and analyze how various Indian states differ in their suicide rates from 2001 to 2012. We hope the insights obtained from the visualization will help people and authorities to create awareness and develop better policies accordingly   * 1. **Motivation**  According to the Indian Ministry of Statistics and program Implementation, just in 2020, about 220,481 people committed suicides, the highest in the world. Attributing to the large population of the country, the suicide rate per person is relatively low. In Indian Society, the subject of mental health is often a taboo topic of discussion. The importance given to a person’s mental well being is significantly less as compared to their physical well being. There is much stigma around receiving professional help regarding mental health problems, and these problems are often shunned away as trivial. This stigma often leads to people with mental health issues feeling isolated and without options. In this project, we hope to show the importance of open discussion on mental health by highlighting the numbers and the reasons that have lead people to commit suicide in the country. Since each state in India is entirely different from the others in terms of culture and socio-economics, the suicide causes and demographics that commits them also change from state to state. These factors are also something that we want to analyze in this project | * 1. **Goals**   There are a lot of underlying patterns that we hope to discover through our visualization. They are listed below:   * An overview of the state’s suicide rates over the time period * How do regions compare with one another? * The leading causes for suicide within each region * The relationship between gender and cause * The relationship between age group and cause   We believe identifying the various causes and their relationship with gender and age groups will provide people with the information required to identify and help people in similar situations.  **2 Related Work**  In recent times the topic of mental health has garnered a lot of attention in India. Even so there continues to be a lot of stigma surrounding the topic in the country. There is a need for a better understanding and open discussion on the topic. In line with this we found some work on World suicide data in [2]. We realized we could create Suicide awareness and study some of the common causes for suicide in India to contribute to the efforts currently beginning on the subject of mental health in the country  **3 Questions**  We were trying to answer the following question: 1. We wanted to explore what causes people to take such an grave step such as suicide. 2. We also wanted to know in which demographics suicides are more prevalent and how it has changed over the years. 3. To see if there were underlying patterns between State, gender, age-groups with causes of suicide.  **4 Data**  **4.1 Source**  The data was obtained from kaggle [3]. It consists of the number of suicides per state per year for the years 2001 to 2012. The data also consists columns that detail the causes for the suicide , the age group as well the gender of the people commiting suicide. |

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