

Navigating Mental Health Landscapes and Mortality Trends Globally

Team 7

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Project Overview:

This project focuses on the analysis of mental health and its relationship with physical health on a global scale. The objectives include investigating comorbidity patterns between depression and alcohol use disorders, analysing trends in premature mortality from major non-communicable diseases, assessing gender-based differences in mental health prevalence, and identifying associations between specific mental disorders and suicide rates. The project utilizes a structured dataset, including information by entity and year, covering mental health disorder prevalence, mortality probabilities, and suicide rates. The analysis aims to inform evidence-based policies and interventions for comprehensive mental healthcare worldwide.

Project Objective:

To analyse global mental health data and its relationship with physical health indicators, with specific focus on understanding comorbidity patterns, mortality trends, gender-based differences in mental health, and the association between mental disorders and suicide rates.

Dataset:

The dataset for this project should include information on mental health disorder prevalence, mortality probabilities, and suicide rates, organized by entity (e.g., countries or regions) and year. Key variables should cover various mental health disorders, probabilities of mortality from specific diseases, and suicide rates.

S.M.A.R.T Questions:

1. What are the prevalent patterns of comorbidity between depression and alcohol use disorders globally, and how can this information inform comprehensive mental health care?
2. What is the trend in the probability of dying between ages 30 and 70 from cardiovascular disease, cancer, diabetes, and chronic respiratory disease over the past decade?
3. Are men or women more likely to suffer from mental health disorders?
4. Which type of mental disorder is linked with suicide most?

Source of Dataset:

<https://www.kaggle.com/datasets/nourajo/suicide-rates-worldwide-20002019>

<https://www.kaggle.com/datasets/thedevastator/uncover-global-trends-in-mental-health-disorder>

GitHub Repository:

<https://github.com/Saileshbaabu/DATS-6103-project-group-07>