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Statistical Learning Project: Data Description

*Dataset:* “Suicide Rates Overview 1985 to 2016”

*Source:* <https://www.kaggle.com/russellyates88/suicide-rates-overview-1985-to-2016>

*Description:* This dataset is compiled from data from the United Nations Development Program, World Bank, World Health Organization, and the Suicide in the Twenty-first Century dataset. It contains demographic information on suicides in a number of countries.

*Inspiration:* Mental health problems are faced by millions of people around the world every single day. It affects their quality of life, ability to work, and those around them. Unfortunately, the state of someone’s mental health has led many people to commit suicide. It is not limited to a single country but occurs all around the world. Being able to analyze a dataset like this can help bring awareness to serious issues like this and maybe even help in finding solutions to preventing suicide.

*Number of Observations:* 27,820

*Number of Variables:* 12

*Variable Descriptions:*

country - country that the grouped observation resides in

year - year in which group data was observed (1985-2016)

sex - sex of the grouped observation (male or female)

age - age range of the grouped observation

suicides\_no - number of suicides in the grouped observation

population - population of the selected group in the specified country

suicides/100k pop - proportion of suicides per 100,000 of the population within the grouped observation

country-year - the selected country and the year of this observation

HDI for year - The countries HDI score for that year. (HDI stands for Human Development Index and is a value used by the UN to measure the quality of lives of people in a country compared to the quality of the economy.)

gdp\_for\_year ($) - The gross domestic product for the country in that year, represented in dollars.

gdp\_per\_capita ($) - The gross domestic product of the country divided by the country’s population, represented in dollars.

generation - A group of people who were born and lived together around the same time, represented by groups who share a common name.