

# Suicide Rates

## Data Science Basics Project

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### Abstract

The project *Suicide Rates* aims at answering the question, whether or not there is a correlation between the GDP<sup>1</sup> per capita and the number of suicides in a country. The underlying data sets not only contains yearly GDP and suicide rate data, but also breaks down the suicide rate by generation and sex, and further provides the HDI<sup>2</sup> and population size of the respective year, which makes it possible to correlate suicide rates to other socio-economic parameters as well.

TODO: what has been found out?

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## 1 Data

The underlying data (see `master.csv`) set has been provided by Kaggle<sup>3</sup> and provides data on suicide rates of 102 countries<sup>4</sup> from 1985 to 2016.

Figure 1 *Available data per Country and Year* (p. 3) shows the data set is all but complete. Some countries have very few data points, whereas others have data for most of the years.

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<sup>1</sup>Gross Domestic Product

<sup>2</sup>Human Development Index

<sup>3</sup><https://www.kaggle.com/russellyates88/suicide-rates-overview-1985-to-2016/download>

<sup>4</sup>`cut -d, -f1 master.csv | sort | uniq | wc -l`

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The less yearly data is available, the harder an assessment of the development for a single country becomes.

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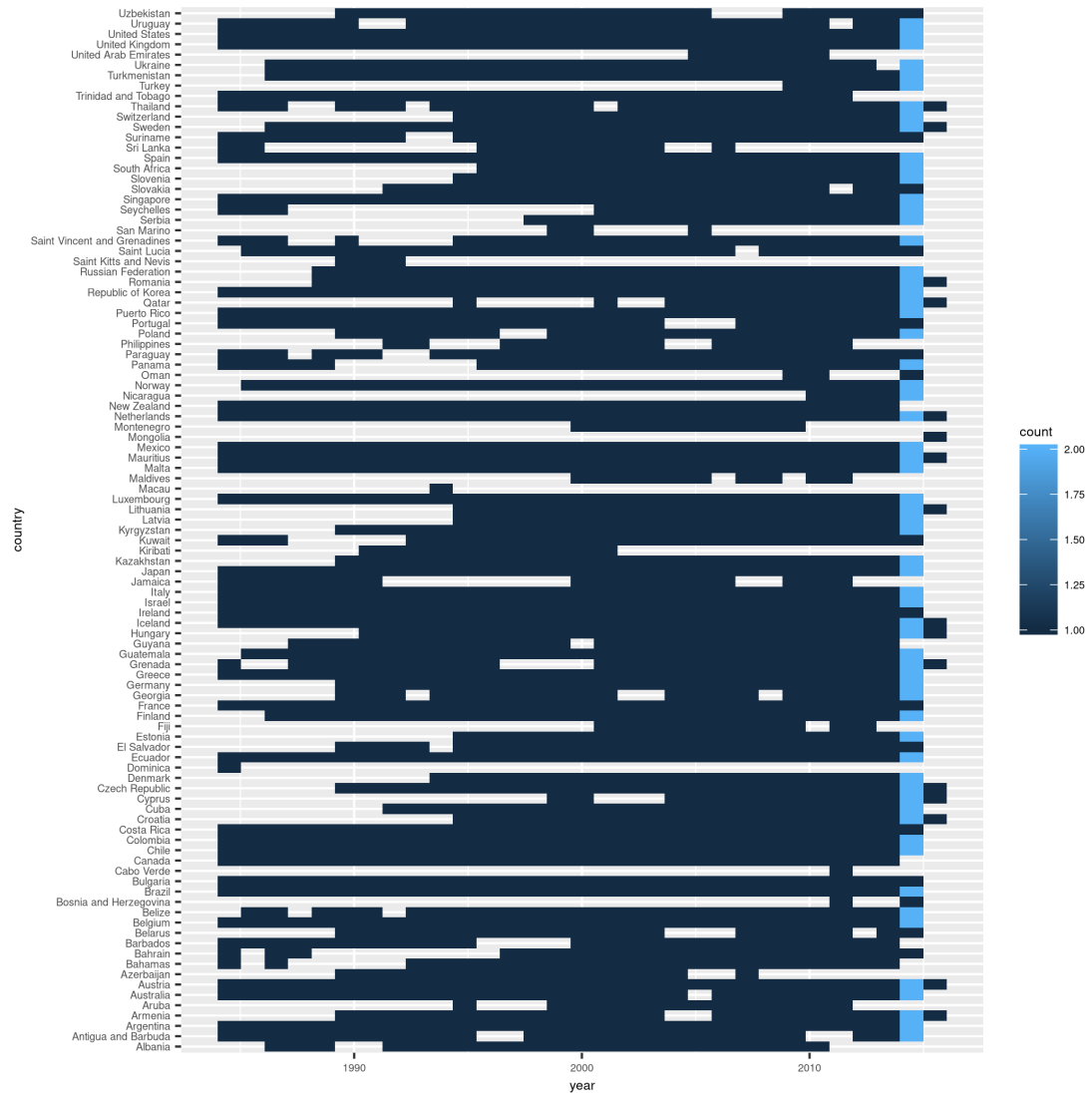


Figure 1: Available data per Country and Year