

Depression Dataset

Description:

A study of 1,594 high school students has been conducted in order to find socioeconomic and family factors that may be associated with stress and depression. The Data Set contains the following variables.

Variables:

ID: Participant's identification number *Possible factors affecting depression*

Gender: female, male

Guardian status: 0 = does not live with both natural parents 1 = lives with both natural parents

Community Cohesion Score (16-80) - it shows how strongly the participant is connected to the community *Response variables*

Total Depression Score (0 - 60)

Clinical Diagnosis of Major Depression (for the clinical sample of patients only) : 1 = positive diagnosis 0 = negative diagnosis

Code to Import

Method1:

-To be more specific, students can download the csv file from Canvas directly to their own pc's desktop and then open a Rmd file and store it at desktop as well. After doing this, students can apply this code to open the data set directly.

```
```{r}
library(readr)
read.csv("depression_data.csv")->dp
head(dp)
```
```

Method 2: Download the dataset from website hyperlink:

-This depression dataset can be found on several open data websites, and here we prepare to download this dataset through a super link from the AU's course website

which made by Dr.Baron, a statistic machine learning specialist working as Professor in AU for over 15 years.

"<http://fs2.american.edu/baron/www/627/>" This is a website allow people who have strong interests to learn and to work with machine learning in R.

```
```{r}
read.csv(url("http://fs2.american.edu/~baron/627/R/depression_data.csv"))-> dp
head(dp)
```
```