Codebook

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Project Description

In this project we collect physiological measurements from patients suffering from delirium in order to study, model, predict and prevent crisis.

Study design and data processing

Collection of the raw data

Data is collected through an MRI scanner that creates T1 type of images and a Biopac software that produces time series of heartbeat and transpiration rate.

Creating the tidy datafile

1. download the data
2. denoise data
3. structure data such that each observation is at its own raw, each variable at its own column and each value in its own cell.

Description of the variables in the data

There are 8 variables including project name, researcher name, date, time, format, type and description of data collected, identification number of the participant and name. There are to this date 4 observations (in the example data set)

For further analysis and data description one can use mean(), sd(), summary() commands in R for statistics.

Variable Format (repeat this section for all variables in the dataset)

Variable describes the format in which the data is saved (image or timeseries).

Some information on the variable:
 - Class of the variable : string/character
 - Unique levels of the variable : image, time series

Variable Description (repeat this section for all variables in the dataset)

Variable describes which region of the brain is in the image or which version of the time series is saved.
Some information on the variable:
 - Class of the variable : string
 - Unique values/levels of the variable : brain regions/ version of time series file