

Codebook for aggregated data table 'grouped'

Autogenerated data summary from dataMaid

2018-12-31 13:49:10

Data report overview

The dataset examined has the following dimensions:

Feature	Result
Number of observations	7380
Number of variables	4

Codebook summary table

Label	Variable	Class	# unique values	Missing	Description
Experimental Subject Identifier	subject	factor	30	0.00 %	Each subject is assigned a numeric identifier in the range 1 through 30.
Tracked movement activity	activity	factor	6	0.00 %	
Accelerometer and Gyroscope based metric.	variable	factor	41	0.00 %	The raw data collected in each 3D dimension by an accelerometer and gyroscope whilst the subject was undertaking an activity. Additionally, some post-processing evaluation (frequency and time domains) which is not single-simention related but wholsitically relates to an acceleration vector. Only mean and standard deviation evaluated observables are persisted in the output.
Average of grouped values from output table.	mean	numeric	7020	0.00 %	All measurements are recorded as a factor of gravitational acceleration g of approximaely 9.8 metre per second squared.

Variable list

subject

Feature	Result
Variable type	factor
Number of missing obs.	0 (0 %)
Number of unique values	30
Mode	"2"

activity

Feature	Result
Variable type	factor
Number of missing obs.	0 (0 %)
Number of unique values	6
Mode	"laying"

variable

Feature	Result
Variable type	factor
Number of missing obs.	0 (0 %)
Number of unique values	41
Mode	"fbodyaccjerkmean"

mean

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	7020
Median	-0.38
1st and 3rd quartiles	-0.96; -0.03
Min. and max.	-1; 0.64

Report generation information:

- Created by Chris M. Shattock (username: `Chris`).
- Report creation time: Mon Dec 31 2018 13:49:12

- Report Was run from directory: Q:/JHU Data Science/03 Getting and Cleaning Data/Week-04/Assignment
- dataMaid v1.1.2 [Pkg: 2018-05-03 from CRAN (R 3.5.1)]
- R version 3.5.1 (2018-07-02).
- Platform: x86_64-w64-mingw32/x64 (64-bit)(Windows >= 8 x64 (build 9200)).
- Function call: `makeDataReport(data = grouped, mode = "summarize", file = "cb_grouped.Rmd", replace = TRUE, standAlone = TRUE, checks = list(list("showAllFactorLevels")), listChecks = FALSE, maxProbVals = FALSE, addSummaryTable = TRUE, codebook = TRUE, reportTitle = "Codebook for aggregated data table 'grouped'")`