

Codebook for detail data table 'output'

Autogenerated data summary from dataMaid

2018-12-31 13:48:58

Data report overview

The dataset examined has the following dimensions:

Feature	Result
Number of observations	813621
Number of variables	6

Codebook summary table

Label	Variable	Class	# unique values	Missing	Description
Experiment group - 'test' or 'trial'.	group	factor	2	0.00 %	The experimental design of 30 subjects was split into two groups, a control/calibration group nominally labeled 'test' and the rest in the nominally labelled 'trial' group.
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 %	A range of activities - such as 'walking' for which data were recorded.
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-simension related but wholsitically relates to an acceleration vector. Only mean and standard deviation evaluated observables are persisted in the output.
Cartesian dimension	dimension	factor	4	0.00 %	One of x, y or z where a measurment is so related or, for more general evalautions, 3d

Label	Variable	Class	# unique values	Missing	Description
The numeric value of the recorded measurement	value	numeric	783226	0.00 %	All measurements are recorded as a factor of gravitational acceleration g of approximately 9.8 metre per second squared.

Variable list

group

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

subject

Feature	Result
Variable type	factor
Number of missing obs.	0 (0 %)
Number of unique values	30
Mode	"25"

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"

dimension

Feature	Result
Variable type	factor
Number of missing obs.	0 (0 %)
Number of unique values	4
Mode	"3d"

value

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	783226
Median	-0.4
1st and 3rd quartiles	-0.97; -0.04
Min. and max.	-1; 1

Report generation information:

- Created by Chris M. Shattock (username: Chris).
- Report creation time: Mon Dec 31 2018 13:49:01
- 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 = output, mode = "summarize", file = "cb_output.Rmd", replace = TRUE, standAlone = TRUE, checks = list(list("showAllFactorLevels")), listChecks = FALSE, maxProbVals = FALSE, addSummaryTable = TRUE, codebook = TRUE, reportTitle = "Codebook for detail data table 'output'")`