Codebook for avgByActivityAndSubject

Autogenerated data summary from dataMaid

2018-08-12 12:43:32

# Data report overview

The dataset examined has the following dimensions:

|  |  |
| --- | --- |
| Feature | Result |
| Number of observations | 180 |
| Number of variables | 38 |

# Codebook summary table

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Label | Variable | Class | # unique values | Missing | Description |
|  | [**Activitycode**](#activitycode) | factor | 6 | 0.00 % |  |
|  | [**Subject**](#subject) | integer | 30 | 0.00 % |  |
|  | [**tBodyAccMag-mean()**](#tbodyaccmag-mean) | numeric | 180 | 0.00 % |  |
|  | [**tBodyAccMag-std()**](#tbodyaccmag-std) | numeric | 180 | 0.00 % |  |
|  | [**tGravityAccMag-mean()**](#tgravityaccmag-mean) | numeric | 180 | 0.00 % |  |
|  | [**tGravityAccMag-std()**](#tgravityaccmag-std) | numeric | 180 | 0.00 % |  |
|  | [**tBodyAccJerkMag-mean()**](#tbodyaccjerkmag-mean) | numeric | 180 | 0.00 % |  |
|  | [**tBodyAccJerkMag-std()**](#tbodyaccjerkmag-std) | numeric | 180 | 0.00 % |  |
|  | [**tBodyGyroMag-mean()**](#tbodygyromag-mean) | numeric | 180 | 0.00 % |  |
|  | [**tBodyGyroMag-std()**](#tbodygyromag-std) | numeric | 180 | 0.00 % |  |
|  | [**tBodyGyroJerkMag-mean()**](#tbodygyrojerkmag-mean) | numeric | 180 | 0.00 % |  |
|  | [**tBodyGyroJerkMag-std()**](#tbodygyrojerkmag-std) | numeric | 180 | 0.00 % |  |
|  | [**fBodyAcc-mean()-X**](#fbodyacc-mean-x) | numeric | 180 | 0.00 % |  |
|  | [**fBodyAcc-mean()-Y**](#fbodyacc-mean-y) | numeric | 180 | 0.00 % |  |
|  | [**fBodyAcc-mean()-Z**](#fbodyacc-mean-z) | numeric | 180 | 0.00 % |  |
|  | [**fBodyAcc-std()-X**](#fbodyacc-std-x) | numeric | 180 | 0.00 % |  |
|  | [**fBodyAcc-std()-Y**](#fbodyacc-std-y) | numeric | 180 | 0.00 % |  |
|  | [**fBodyAcc-std()-Z**](#fbodyacc-std-z) | numeric | 180 | 0.00 % |  |
|  | [**fBodyAccJerk-mean()-X**](#fbodyaccjerk-mean-x) | numeric | 180 | 0.00 % |  |
|  | [**fBodyAccJerk-mean()-Y**](#fbodyaccjerk-mean-y) | numeric | 180 | 0.00 % |  |
|  | [**fBodyAccJerk-mean()-Z**](#fbodyaccjerk-mean-z) | numeric | 180 | 0.00 % |  |
|  | [**fBodyAccJerk-std()-X**](#fbodyaccjerk-std-x) | numeric | 180 | 0.00 % |  |
|  | [**fBodyAccJerk-std()-Y**](#fbodyaccjerk-std-y) | numeric | 180 | 0.00 % |  |
|  | [**fBodyAccJerk-std()-Z**](#fbodyaccjerk-std-z) | numeric | 180 | 0.00 % |  |
|  | [**fBodyGyro-mean()-X**](#fbodygyro-mean-x) | numeric | 180 | 0.00 % |  |
|  | [**fBodyGyro-mean()-Y**](#fbodygyro-mean-y) | numeric | 180 | 0.00 % |  |
|  | [**fBodyGyro-mean()-Z**](#fbodygyro-mean-z) | numeric | 180 | 0.00 % |  |
|  | [**fBodyGyro-std()-X**](#fbodygyro-std-x) | numeric | 180 | 0.00 % |  |
|  | [**fBodyGyro-std()-Y**](#fbodygyro-std-y) | numeric | 180 | 0.00 % |  |
|  | [**fBodyGyro-std()-Z**](#fbodygyro-std-z) | numeric | 180 | 0.00 % |  |
|  | [**fBodyAccMag-mean()**](#fbodyaccmag-mean) | numeric | 180 | 0.00 % |  |
|  | [**fBodyAccMag-std()**](#fbodyaccmag-std) | numeric | 180 | 0.00 % |  |
|  | [**fBodyBodyAccJerkMag-mean()**](#fbodybodyaccjerkmag-mean) | numeric | 180 | 0.00 % |  |
|  | [**fBodyBodyAccJerkMag-std()**](#fbodybodyaccjerkmag-std) | numeric | 180 | 0.00 % |  |
|  | [**fBodyBodyGyroMag-mean()**](#fbodybodygyromag-mean) | numeric | 180 | 0.00 % |  |
|  | [**fBodyBodyGyroMag-std()**](#fbodybodygyromag-std) | numeric | 180 | 0.00 % |  |
|  | [**fBodyBodyGyroJerkMag-mean()**](#fbodybodygyrojerkmag-mean) | numeric | 180 | 0.00 % |  |
|  | [**fBodyBodyGyroJerkMag-std()**](#fbodybodygyrojerkmag-std) | numeric | 180 | 0.00 % |  |

# Variable list

## Activitycode

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | factor |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 6 |
| Mode | “WALKING” |

## Subject

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | integer |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 30 |
| Median | 15.5 |
| 1st and 3rd quartiles | 8; 23 |
| Min. and max. | 1; 30 |

## tBodyAccMag-mean()

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.48 |
| 1st and 3rd quartiles | -0.96; -0.09 |
| Min. and max. | -0.99; 0.64 |

## tBodyAccMag-std()

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.61 |
| 1st and 3rd quartiles | -0.94; -0.21 |
| Min. and max. | -0.99; 0.43 |

## tGravityAccMag-mean()

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.48 |
| 1st and 3rd quartiles | -0.96; -0.09 |
| Min. and max. | -0.99; 0.64 |

## tGravityAccMag-std()

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.61 |
| 1st and 3rd quartiles | -0.94; -0.21 |
| Min. and max. | -0.99; 0.43 |

## tBodyAccJerkMag-mean()

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.82 |
| 1st and 3rd quartiles | -0.98; -0.25 |
| Min. and max. | -0.99; 0.43 |

## tBodyAccJerkMag-std()

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.8 |
| 1st and 3rd quartiles | -0.98; -0.22 |
| Min. and max. | -0.99; 0.45 |

## tBodyGyroMag-mean()

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.66 |
| 1st and 3rd quartiles | -0.95; -0.22 |
| Min. and max. | -0.98; 0.42 |

## tBodyGyroMag-std()

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.74 |
| 1st and 3rd quartiles | -0.95; -0.36 |
| Min. and max. | -0.98; 0.3 |

## tBodyGyroJerkMag-mean()

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.86 |
| 1st and 3rd quartiles | -0.99; -0.51 |
| Min. and max. | -1; 0.09 |

## tBodyGyroJerkMag-std()

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.88 |
| 1st and 3rd quartiles | -0.98; -0.58 |
| Min. and max. | -1; 0.25 |

## fBodyAcc-mean()-X

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.77 |
| 1st and 3rd quartiles | -0.98; -0.22 |
| Min. and max. | -1; 0.54 |

## fBodyAcc-mean()-Y

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.59 |
| 1st and 3rd quartiles | -0.95; -0.06 |
| Min. and max. | -0.99; 0.52 |

## fBodyAcc-mean()-Z

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.72 |
| 1st and 3rd quartiles | -0.96; -0.32 |
| Min. and max. | -0.99; 0.28 |

## fBodyAcc-std()-X

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.75 |
| 1st and 3rd quartiles | -0.98; -0.2 |
| Min. and max. | -1; 0.66 |

## fBodyAcc-std()-Y

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.51 |
| 1st and 3rd quartiles | -0.94; -0.08 |
| Min. and max. | -0.99; 0.56 |

## fBodyAcc-std()-Z

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.64 |
| 1st and 3rd quartiles | -0.95; -0.27 |
| Min. and max. | -0.99; 0.69 |

## fBodyAccJerk-mean()-X

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.81 |
| 1st and 3rd quartiles | -0.98; -0.28 |
| Min. and max. | -0.99; 0.47 |

## fBodyAccJerk-mean()-Y

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.78 |
| 1st and 3rd quartiles | -0.97; -0.2 |
| Min. and max. | -0.99; 0.28 |

## fBodyAccJerk-mean()-Z

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.87 |
| 1st and 3rd quartiles | -0.98; -0.47 |
| Min. and max. | -0.99; 0.16 |

## fBodyAccJerk-std()-X

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.83 |
| 1st and 3rd quartiles | -0.98; -0.25 |
| Min. and max. | -1; 0.48 |

## fBodyAccJerk-std()-Y

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.79 |
| 1st and 3rd quartiles | -0.97; -0.17 |
| Min. and max. | -0.99; 0.35 |

## fBodyAccJerk-std()-Z

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.9 |
| 1st and 3rd quartiles | -0.98; -0.54 |
| Min. and max. | -0.99; -0.01 |

## fBodyGyro-mean()-X

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.73 |
| 1st and 3rd quartiles | -0.97; -0.34 |
| Min. and max. | -0.99; 0.47 |

## fBodyGyro-mean()-Y

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.81 |
| 1st and 3rd quartiles | -0.97; -0.45 |
| Min. and max. | -0.99; 0.33 |

## fBodyGyro-mean()-Z

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.79 |
| 1st and 3rd quartiles | -0.96; -0.26 |
| Min. and max. | -0.99; 0.49 |

## fBodyGyro-std()-X

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.81 |
| 1st and 3rd quartiles | -0.98; -0.48 |
| Min. and max. | -0.99; 0.2 |

## fBodyGyro-std()-Y

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.8 |
| 1st and 3rd quartiles | -0.96; -0.42 |
| Min. and max. | -0.99; 0.65 |

## fBodyGyro-std()-Z

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.82 |
| 1st and 3rd quartiles | -0.96; -0.39 |
| Min. and max. | -0.99; 0.52 |

## fBodyAccMag-mean()

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.67 |
| 1st and 3rd quartiles | -0.96; -0.16 |
| Min. and max. | -0.99; 0.59 |

## fBodyAccMag-std()

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.65 |
| 1st and 3rd quartiles | -0.95; -0.37 |
| Min. and max. | -0.99; 0.18 |

## fBodyBodyAccJerkMag-mean()

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.79 |
| 1st and 3rd quartiles | -0.98; -0.19 |
| Min. and max. | -0.99; 0.54 |

## fBodyBodyAccJerkMag-std()

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.81 |
| 1st and 3rd quartiles | -0.98; -0.27 |
| Min. and max. | -0.99; 0.32 |

## fBodyBodyGyroMag-mean()

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.77 |
| 1st and 3rd quartiles | -0.96; -0.41 |
| Min. and max. | -0.99; 0.2 |

## fBodyBodyGyroMag-std()

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.77 |
| 1st and 3rd quartiles | -0.95; -0.43 |
| Min. and max. | -0.98; 0.24 |

## fBodyBodyGyroJerkMag-mean()

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.88 |
| 1st and 3rd quartiles | -0.98; -0.58 |
| Min. and max. | -1; 0.15 |

## fBodyBodyGyroJerkMag-std()

|  |  |
| --- | --- |
| Feature | Result |
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.89 |
| 1st and 3rd quartiles | -0.98; -0.61 |
| Min. and max. | -1; 0.29 |

Report generation information:

* Created by No Instance(s) Available. (username: aae).
* Report creation time: Sun Aug 12 2018 12:43:33
* Report Was run from directory: C:/Users/aae/Dropbox/Coursera/kurs 3 Getting and Cleaning data/assignment/R
* dataMaid v1.1.2 [Pkg: 2018-05-03 from CRAN (R 3.4.4)]
* R version 3.4.3 (2017-11-30).
* Platform: x86\_64-w64-mingw32/x64 (64-bit)(Windows >= 8 x64 (build 9200)).
* Function call: makeDataReport(data = avgByActivityAndSubject, mode = "summarize", file = "codebook\_avgByActivityAndSubject.Rmd", checks = list( list("showAllFactorLevels")), listChecks = FALSE, maxProbVals = FALSE, codebook = TRUE, reportTitle = "Codebook for avgByActivityAndSubject")