# Codebook for tidydataset

Autogenerated data summary from dataMaid

2022-06-26 19:10:16

## Data report overview

The dataset examined has the following dimensions:

| Feature | Result |
|---|---|
| Number of observations | 180 |
| Number of variables | 48 |

## Codebook summary table

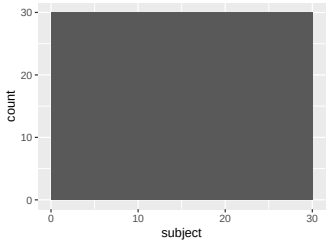
| Label | Variable | Class | # unique values | Missing | Description |
|---|---|---|---|---|---|
| | **subject** | integer | 30 | 0.00 % | |
| | **activity** | character | 6 | 0.00 % | |
| | **timeBodyAccelerationMeanX** | numeric | 180 | 0.00 % | |
| | **timeBodyAccelerationMeanY** | numeric | 180 | 0.00 % | |
| | **timeBodyAccelerationMeanZ** | numeric | 180 | 0.00 % | |
| | **timeGravityAccelerationMeanX** | numeric | 180 | 0.00 % | |
| | **timeGravityAccelerationMeanY** | numeric | 180 | 0.00 % | |
| | **timeGravityAccelerationMeanZ** | numeric | 180 | 0.00 % | |
| | **timeBodyAccelerationJerkMeanX** | numeric | 180 | 0.00 % | |
| | **timeBodyAccelerationJerkMeanY** | numeric | 180 | 0.00 % | |
| | **timeBodyAccelerationJerkMeanZ** | numeric | 180 | 0.00 % | |
| | **timeBodyGyroscopeMeanX** | numeric | 180 | 0.00 % | |
| | **timeBodyGyroscopeMeanY** | numeric | 180 | 0.00 % | |
| | **timeBodyGyroscopeMeanZ** | numeric | 180 | 0.00 % | |
| | **timeBodyGyroscopeJerkMeanX** | numeric | 180 | 0.00 % | |
| | **timeBodyGyroscopeJerkMeanY** | numeric | 180 | 0.00 % | |
| | **timeBodyGyroscopeJerkMeanZ** | numeric | 180 | 0.00 % | |
| | **timeBodyAccelerationMagnitudeMean** | numeric | 180 | 0.00 % | |
| | **timeGravityAccelerationMagnitudeMean** | numeric | 180 | 0.00 % | |
| | **timeBodyAccelerationJerkMagnitudeMean** | numeric | 180 | 0.00 % | |
| | **timeBodyGyroscopeMagnitudeMean** | numeric | 180 | 0.00 % | |
| | **timeBodyGyroscopeJerkMagnitudeMean** | numeric | 180 | 0.00 % | |
| | **frequencyBodyAccelerationMeanX** | numeric | 180 | 0.00 % | |
| | **frequencyBodyAccelerationMeanY** | numeric | 180 | 0.00 % | |
| | **frequencyBodyAccelerationMeanZ** | numeric | 180 | 0.00 % | |
| | **frequencyBodyAccelerationMeanFreqX** | numeric | 180 | 0.00 % | |
| | **frequencyBodyAccelerationMeanFreqY** | numeric | 180 | 0.00 % | |
| | **frequencyBodyAccelerationMeanFreqZ** | numeric | 180 | 0.00 % | |
| | **frequencyBodyAccelerationJerkMeanX** | numeric | 180 | 0.00 % | |
| | **frequencyBodyAccelerationJerkMeanY** | numeric | 180 | 0.00 % | |

| Label | Variable | Class | # unique values | Missing | Description |
|---|---|---|---|---|---|
| | **frequencyBodyAccelerationJerkMeanZ** | numeric | 180 | 0.00 % | |
| | **frequencyBodyAccelerationJerkMeanFreqX** | numeric | 180 | 0.00 % | |
| | **frequencyBodyAccelerationJerkMeanFreqY** | numeric | 180 | 0.00 % | |
| | **frequencyBodyAccelerationJerkMeanFreqZ** | numeric | 180 | 0.00 % | |
| | **frequencyBodyGyroscopeMeanX** | numeric | 180 | 0.00 % | |
| | **frequencyBodyGyroscopeMeanY** | numeric | 180 | 0.00 % | |
| | **frequencyBodyGyroscopeMeanZ** | numeric | 180 | 0.00 % | |
| | **frequencyBodyGyroscopeMeanFreqX** | numeric | 180 | 0.00 % | |
| | **frequencyBodyGyroscopeMeanFreqY** | numeric | 180 | 0.00 % | |
| | **frequencyBodyGyroscopeMeanFreqZ** | numeric | 180 | 0.00 % | |
| | **frequencyBodyAccelerationMagnitudeMean** | numeric | 180 | 0.00 % | |
| | **frequencyBodyAccelerationMagnitudeMeanFreq** | numeric | 180 | 0.00 % | |
| | **frequencyBodyBodyAccelerationJerkMagnitudeMean** | numeric | 180 | 0.00 % | |
| | **frequencyBodyBodyAccelerationJerkMagnitudeMeanFreq** | numeric | 180 | 0.00 % | |
| | **frequencyBodyBodyGyroscopeMagnitudeMean** | numeric | 180 | 0.00 % | |
| | **frequencyBodyBodyGyroscopeMagnitudeMeanFreq** | numeric | 180 | 0.00 % | |
| | **frequencyBodyBodyGyroscopeJerkMagnitudeMean** | numeric | 180 | 0.00 % | |
| | **frequencyBodyBodyGyroscopeJerkMagnitudeMeanFreq** | numeric | 180 | 0.00 % | |

# Variable list

## 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 |



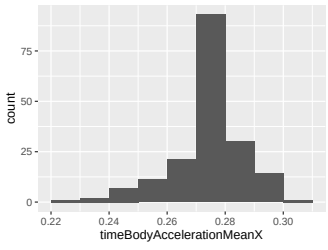

## activity

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


- Observed factor levels: "LAYING", "SITTING", "STANDING", "WALKING", "WALKING_DOWNSTAIRS", "WALKING_UPSTAIRS".

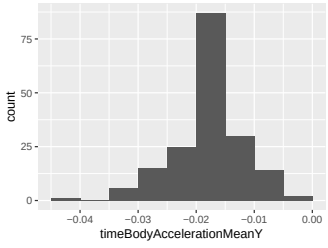
## timeBodyAccelerationMeanX

| Feature | Result |
|---|---|
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | 0.28 |
| 1st and 3rd quartiles | 0.27; 0.28 |
| Min. and max. | 0.22; 0.3 |



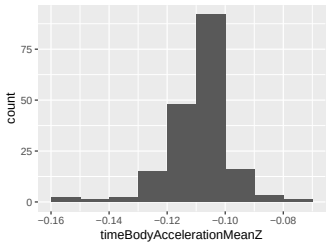

## timeBodyAccelerationMeanY

| Feature | Result |
|---|---|
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.02 |
| 1st and 3rd quartiles | -0.02; -0.01 |
| Min. and max. | -0.04; 0 |



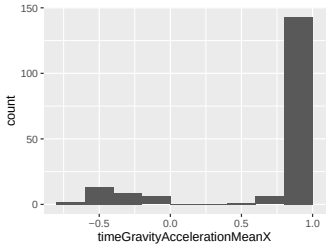

## timeBodyAccelerationMeanZ

| Feature | Result |
|---|---|
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.11 |
| 1st and 3rd quartiles | -0.11; -0.1 |
| Min. and max. | -0.15; -0.08 |



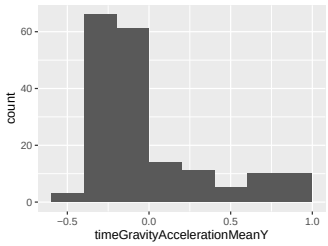

## timeGravityAccelerationMeanX

| Feature | Result |
|---|---|
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | 0.92 |
| 1st and 3rd quartiles | 0.84; 0.94 |
| Min. and max. | -0.68; 0.97 |



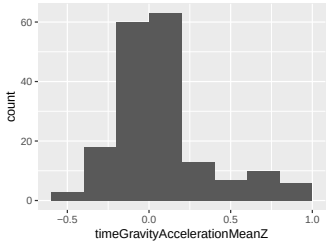
## timeGravityAccelerationMeanY

| Feature | Result |
|---|---|
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.13 |
| 1st and 3rd quartiles | -0.23; 0.09 |
| Min. and max. | -0.48; 0.96 |



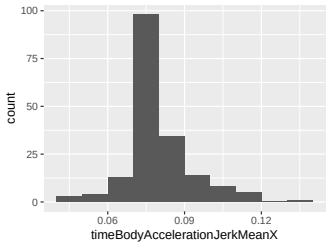

## timeGravityAccelerationMeanZ

| Feature | Result |
|---|---|
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | 0.02 |
| 1st and 3rd quartiles | -0.12; 0.15 |
| Min. and max. | -0.5; 0.96 |



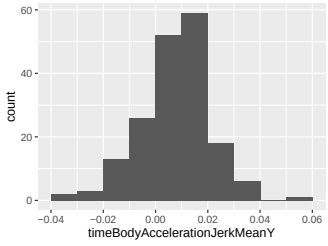

## timeBodyAccelerationJerkMeanX

| Feature | Result |
|---|---|
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | 0.08 |
| 1st and 3rd quartiles | 0.07; 0.08 |
| Min. and max. | 0.04; 0.13 |



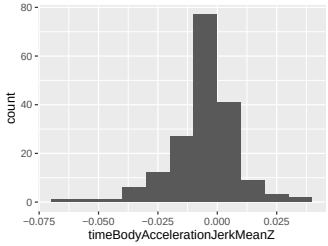

## timeBodyAccelerationJerkMeanY

| Feature | Result |
|---|---|
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | 0.01 |
| 1st and 3rd quartiles | 0; 0.01 |
| Min. and max. | -0.04; 0.06 |



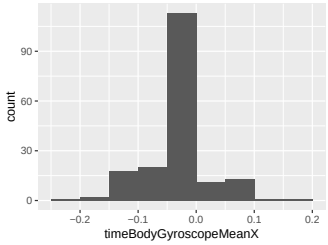
## timeBodyAccelerationJerkMeanZ

| Feature | Result |
|---|---|
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | 0 |
| 1st and 3rd quartiles | -0.01; 0 |
| Min. and max. | -0.07; 0.04 |



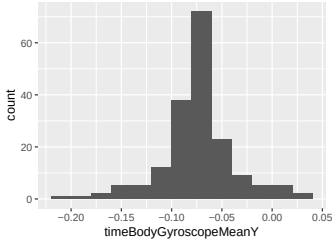

## timeBodyGyroscopeMeanX

| Feature | Result |
|---|---|
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.03 |
| 1st and 3rd quartiles | -0.05; -0.02 |
| Min. and max. | -0.21; 0.19 |



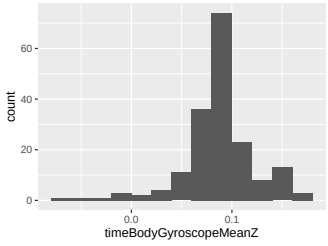

## timeBodyGyroscopeMeanY

| Feature | Result |
|---|---|
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.07 |
| 1st and 3rd quartiles | -0.09; -0.06 |
| Min. and max. | -0.2; 0.03 |



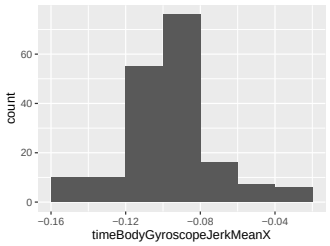

## timeBodyGyroscopeMeanZ

| Feature | Result |
|---|---|
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | 0.09 |
| 1st and 3rd quartiles | 0.07; 0.1 |
| Min. and max. | -0.07; 0.18 |



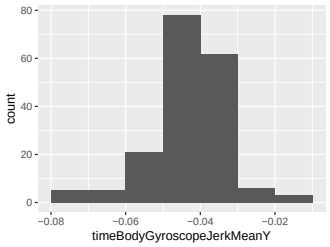
## timeBodyGyroscopeJerkMeanX

| Feature | Result |
|---|---|
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.1 |
| 1st and 3rd quartiles | -0.1; -0.09 |
| Min. and max. | -0.16; -0.02 |



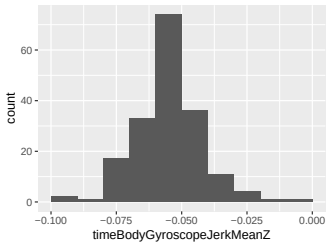

## timeBodyGyroscopeJerkMeanY

| Feature | Result |
|---|---|
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.04 |
| 1st and 3rd quartiles | -0.05; -0.04 |
| Min. and max. | -0.08; -0.01 |




## timeBodyGyroscopeJerkMeanZ

| Feature | Result |
|---|---|
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.05 |
| 1st and 3rd quartiles | -0.06; -0.05 |
| Min. and max. | -0.09; -0.01 |

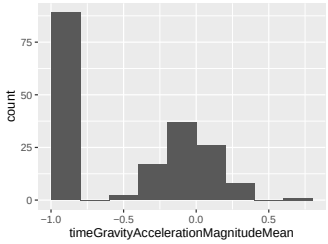



## timeBodyAccelerationMagnitudeMean

| 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 |

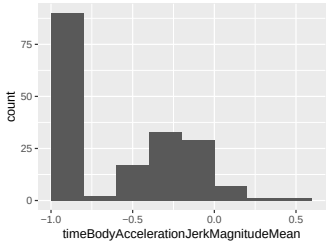
## timeGravityAccelerationMagnitudeMean

| 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 |



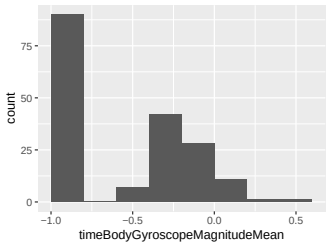

## timeBodyAccelerationJerkMagnitudeMean

| 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 |



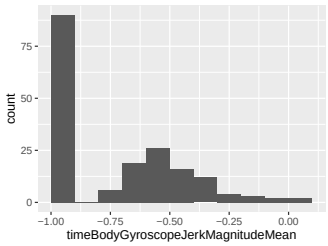

## timeBodyGyroscopeMagnitudeMean

| 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 |



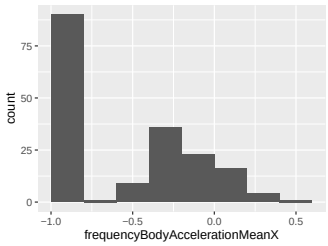

## timeBodyGyroscopeJerkMagnitudeMean

| 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 |



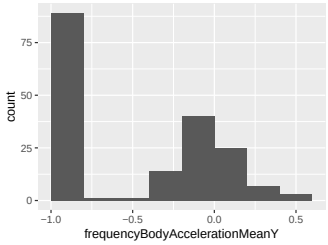
## frequencyBodyAccelerationMeanX

| 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 |



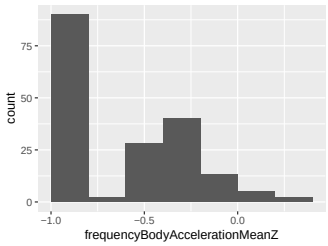

## frequencyBodyAccelerationMeanY

| 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 |



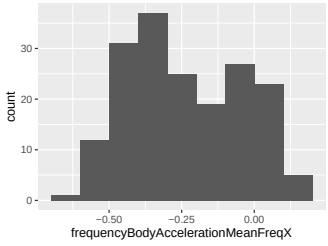

## frequencyBodyAccelerationMeanZ

| 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 |



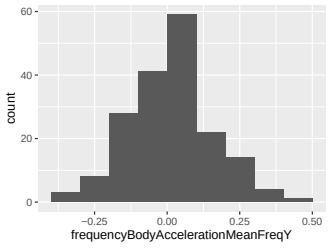

## frequencyBodyAccelerationMeanFreqX

| Feature | Result |
|---|---|
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.26 |
| 1st and 3rd quartiles | -0.39; -0.06 |
| Min. and max. | -0.64; 0.16 |



## frequencyBodyAccelerationMeanFreqY

| Feature | Result |
|---|---|
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | 0.01 |
| 1st and 3rd quartiles | -0.08; 0.09 |
| Min. and max. | -0.38; 0.47 |

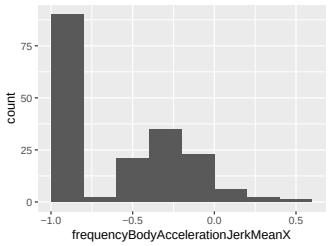



## frequencyBodyAccelerationMeanFreqZ

| Feature | Result |
|---|---|
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | 0.07 |
| 1st and 3rd quartiles | -0.04; 0.18 |
| Min. and max. | -0.52; 0.4 |

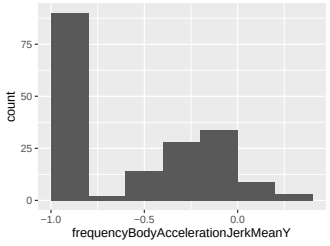

## frequencyBodyAccelerationJerkMeanX

| 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 |



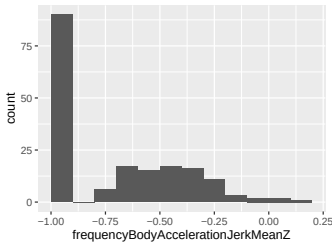

## frequencyBodyAccelerationJerkMeanY

| 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 |



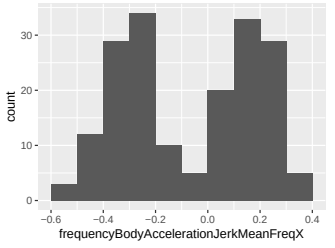
## frequencyBodyAccelerationJerkMeanZ

| 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 |




## frequencyBodyAccelerationJerkMeanFreqX

| Feature | Result |
|---|---|
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.06 |
| 1st and 3rd quartiles | -0.29; 0.18 |
| Min. and max. | -0.58; 0.33 |

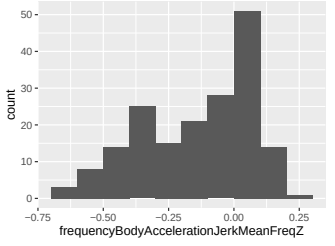



## frequencyBodyAccelerationJerkMeanFreqY

| Feature | Result |
|---|---|
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.23 |
| 1st and 3rd quartiles | -0.4; -0.05 |
| Min. and max. | -0.6; 0.2 |

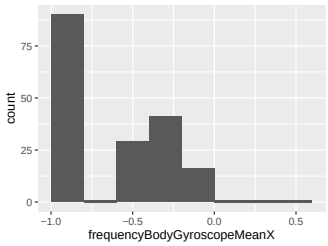

## frequencyBodyAccelerationJerkMeanFreqZ

| Feature | Result |
|---|---|
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.09 |
| 1st and 3rd quartiles | -0.31; 0.04 |
| Min. and max. | -0.63; 0.23 |



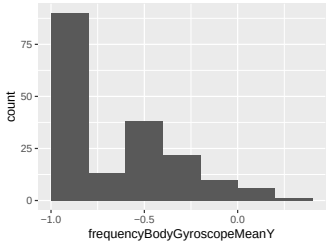
## frequencyBodyGyroscopeMeanX

| 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 |



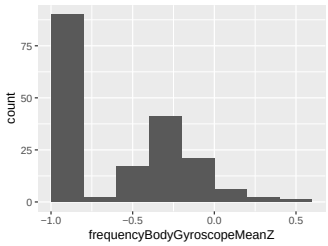

## frequencyBodyGyroscopeMeanY

| 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 |



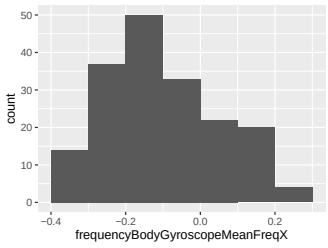

## frequencyBodyGyroscopeMeanZ

| 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 |



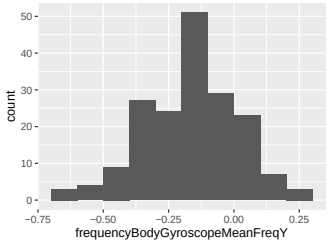

## frequencyBodyGyroscopeMeanFreqX

| Feature | Result |
|---|---|
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.12 |
| 1st and 3rd quartiles | -0.21; 0 |
| Min. and max. | -0.4; 0.25 |



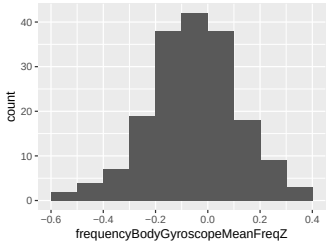
## frequencyBodyGyroscopeMeanFreqY

| Feature | Result |
|---|---|
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.16 |
| 1st and 3rd quartiles | -0.29; -0.04 |
| Min. and max. | -0.67; 0.27 |



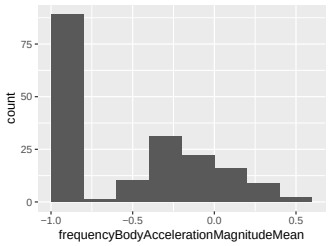

## frequencyBodyGyroscopeMeanFreqZ

| Feature | Result |
|---|---|
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.05 |
| 1st and 3rd quartiles | -0.15; 0.04 |
| Min. and max. | -0.51; 0.38 |



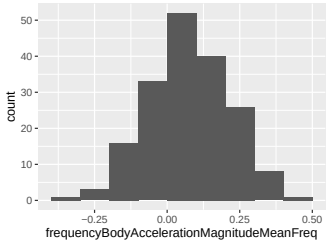

## frequencyBodyAccelerationMagnitudeMean

| 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 |




## frequencyBodyAccelerationMagnitudeMeanFreq

| Feature | Result |
|---|---|
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | 0.08 |
| 1st and 3rd quartiles | -0.01; 0.17 |
| Min. and max. | -0.31; 0.44 |



## frequencyBodyBodyAccelerationJerkMagnitudeMean

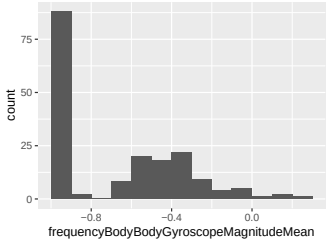
| Feature | Result |
|---|---|
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.79 |
| 1st and 3rd quartiles | -0.98; -0.19 |
| Min. and max. | -0.99; 0.54 |


## frequencyBodyBodyAccelerationJerkMagnitudeMeanFreq

| Feature | Result |
|---|---|
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | 0.17 |
| 1st and 3rd quartiles | 0.05; 0.28 |
| Min. and max. | -0.13; 0.49 |

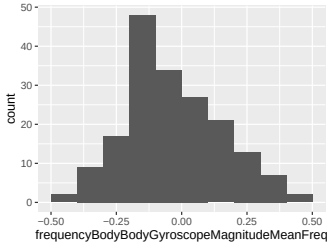

## frequencyBodyBodyGyroscopeMagnitudeMean

| 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 |



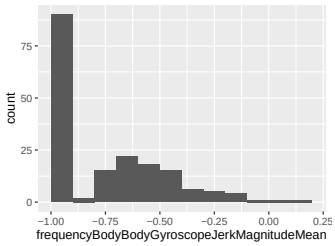

## frequencyBodyBodyGyroscopeMagnitudeMeanFreq

| Feature | Result |
|---|---|
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | -0.05 |
| 1st and 3rd quartiles | -0.17; 0.08 |
| Min. and max. | -0.46; 0.41 |



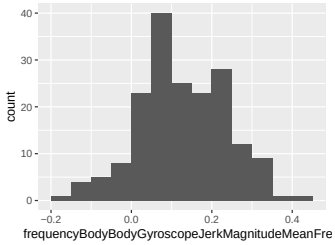
## frequencyBodyBodyGyroscopeJerkMagnitudeMean

| 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 |




## frequencyBodyBodyGyroscopeJerkMagnitudeMeanFreq

| Feature | Result |
|---|---|
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 180 |
| Median | 0.11 |
| 1st and 3rd quartiles | 0.05; 0.21 |
| Min. and max. | -0.18; 0.43 |




Report generation information:

- Created by: Arcaici (username: `marco`).
- Report creation time: dom giu 26 2022 19:10:17
- Report was run from directory: `C:/Users/marco/Documents/Datascience/python/Datascience specislization/Getting and Cleaning Data/ProjectGettingAndCleaningDataCourse`
- dataMaid v1.4.1 [Pkg: 2021-10-08 from CRAN (R 4.2.0)]
- R version 4.2.0 (2022-04-22 ucrt).
- Platform: x86_64-w64-mingw32/x64 (64-bit)(Windows 10 x64 (build 22000)).
- Function call: `dataMaid::makeDataReport(data = tidydataset, mode = c("summarize", "visualize", "check"), smartNum = FALSE, file = "codebook_tidydataset.Rmd", checks = list(character = "showAllFactorLevels", factor = "showAllFactorLevels", labelled = "showAllFactorLevels", haven_labelled = "showAllFactorLevels", numeric = NULL, integer = NULL, logical = NULL, Date = NULL), listChecks = FALSE, maxProbVals = Inf, codebook = TRUE, reportTitle = "Codebook for tidydataset")`