Codebook for tidy_data2

Autogenerated data summary from dataMaid

2022-10-16 19:15:47

Data report overview

The dataset examined has the following dimensions:

Feature	Result
Number of observations	180
Number of variables	68

Codebook summary table

Label	Variable	Class	# unique values	Missing	Description
	subject	integer	30	0.00 %	
	activity	character	6	0.00 %	
	tBodyAcc.mean.X	numeric	180	0.00 %	
	tBodyAcc.mean.Y	numeric	180	0.00 %	
	tBodyAcc.mean.Z	numeric	180	0.00 %	
	tBodyAcc.std.X	numeric	180	0.00 %	
	tBodyAcc.std.Y	numeric	180	0.00 %	
	tBodyAcc.std.Z	numeric	180	0.00 %	
	tGravityAcc.mean.X	numeric	180	0.00 %	
	tGravityAcc.mean.Y	numeric	180	0.00 %	
	tGravityAcc.mean.Z	numeric	180	0.00 %	
	tGravityAcc.std.X	numeric	180	0.00 %	
	tGravityAcc.std.Y	numeric	180	0.00 %	
	tGravityAcc.std.Z	numeric	180	0.00 %	
	tBodyAccJerk.mean.X	numeric	180	0.00 %	
	tBodyAccJerk.mean.Y	numeric	180	0.00 %	
	tBodyAccJerk.mean.Z	numeric	180	0.00 %	
	tBodyAccJerk.std.X	numeric	180	0.00 %	
	tBodyAccJerk.std.Y	numeric	180	0.00 %	
	tBodyAccJerk.std.Z	numeric	180	0.00 %	
	tBodyGyro.mean.X	numeric	180	0.00 %	
	tBodyGyro.mean.Y	numeric	180	0.00 %	
	tBodyGyro.mean.Z	numeric	180	0.00 %	
	tBodyGyro.std.X	numeric	180	0.00 %	
	tBodyGyro.std.Y	numeric	180	0.00 %	
	tBodyGyro.std.Z	numeric	180	0.00 %	
	tBodyGyroJerk.mean.X	numeric	180	0.00 %	
	tBodyGyroJerk.mean.Y	numeric	180	0.00 %	

Label	Variable	Class	# unique values	Missing	Description
	tBodyGyroJerk.mean.Z	numeric	180	0.00 %	
	tBodyGyroJerk.std.X	numeric	180	0.00 %	
	tBodyGyroJerk.std.Y	numeric	180	0.00 %	
	tBodyGyroJerk.std.Z	numeric	180	0.00 %	
	tBodyAccMag.mean	numeric	180	0.00 %	
	tBodyAccMag.std	numeric	180	0.00 %	
	tGravityAccMag.mean	numeric	180	0.00 %	
	tGravityAccMag.std	numeric	180	0.00 %	
	tBodyAccJerkMag.mean	numeric	180	0.00 %	
	tBodyAccJerkMag.std	numeric	180	0.00 %	
	tBodyGyroMag.mean	numeric	180	0.00 %	
	tBodyGyroMag.std	numeric	180	0.00 %	
	tBodyGyroJerkMag.mean	numeric	180	0.00 %	
	tBodyGyroJerkMag.std	numeric	180	0.00 %	
	fBodyAcc.mean.X	numeric	180	0.00 %	
	fBodyAcc.mean.Y	numeric	180	0.00 %	
	fBodyAcc.mean.Z	numeric	180	0.00 %	
	fBodyAcc.std.X	numeric	180	0.00 %	
	fBodyAcc.std.Y	numeric	180	0.00 %	
	fBodyAcc.std.Z	numeric	180	0.00 %	
	fBodyAccJerk.mean.X	numeric	180	0.00 %	
	fBodyAccJerk.mean.Y	numeric	180	0.00 %	
	fBodyAccJerk.mean.Z	numeric	180	0.00 %	
	fBodyAccJerk.std.X	numeric	180	0.00 %	
	fBodyAccJerk.std.Y	numeric	180	0.00 %	
	fBodyAccJerk.std.Z	numeric	180	0.00 %	
	fBodyGyro.mean.X	numeric	180	0.00 %	
	fBodyGyro.mean.Y	numeric	180	0.00 %	
	fBodyGyro.mean.Z	numeric	180	0.00 %	
	fBodyGyro.std.X	numeric	180	0.00 %	
	fBodyGyro.std.Y	numeric	180	0.00 %	
	fBodyGyro.std.Z	numeric	180	0.00 %	
	fBodyAccMag.mean	numeric	180	0.00 %	
	fBodyAccMag.std	numeric	180	0.00 %	
	fBodyBodyAccJerkMag.mean	numeric	180	0.00 %	
	fBodyBodyAccJerkMag.std	numeric	180	0.00 %	
	fBodyBodyGyroMag.mean	numeric	180	0.00 %	
	fBodyBodyGyroMag.std	numeric	180	0.00 %	
	fBodyBodyGyroJerkMag.mean	numeric	180	0.00 %	
	fBodyBodyGyroJerkMag.std	numeric	180	0.00 %	

Variable list

subject

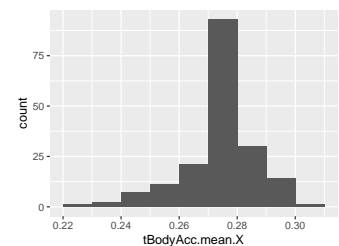| Feature	Result
Variable type	integer
Number of missing obs.	0 (0 %)
Number of unique values	30
Median	15.5
1st and 3rd quartiles	8; 23
Min. and max.	1; 30
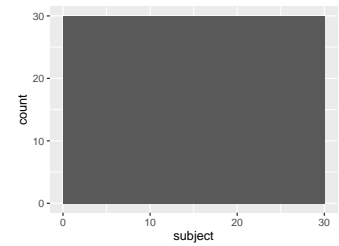
activity

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".

tBodyAcc.mean.X

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

tBodyAcc.mean.Y

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
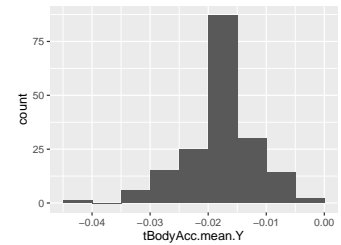
tBodyAcc.mean.Z

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
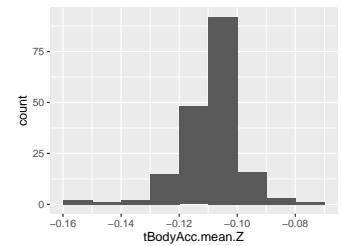
tBodyAcc.std.X

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; 0.63
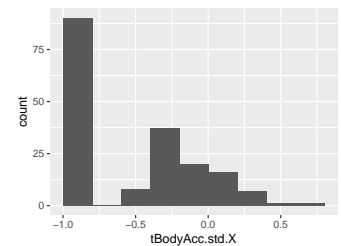
tBodyAcc.std.Y

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; -0.03
Min. and max.	-0.99; 0.62
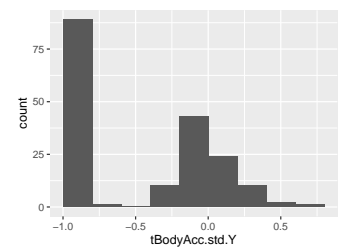
tBodyAcc.std.Z

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; -0.23
Min. and max.	-0.99; 0.61

tGravityAcc.mean.X

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
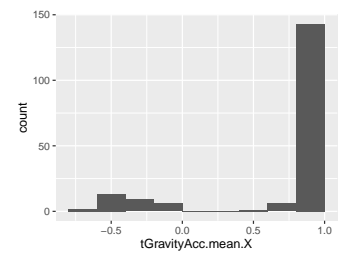
tGravityAcc.mean.Y

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
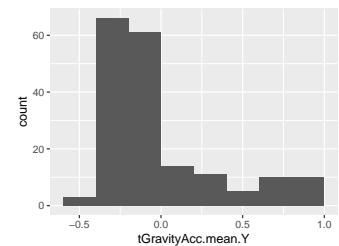
tGravityAcc.mean.Z

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
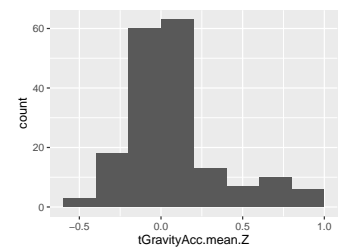
tGravityAcc.std.X

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	180
Median	-0.97
1st and 3rd quartiles	-0.98; -0.95
Min. and max.	-1; -0.83
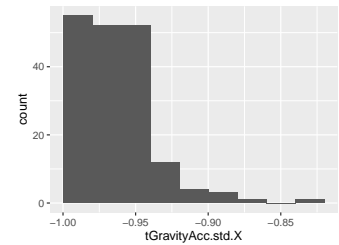
tGravityAcc.std.Y

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	180
Median	-0.96
1st and 3rd quartiles	-0.97; -0.94
Min. and max.	-0.99; -0.64
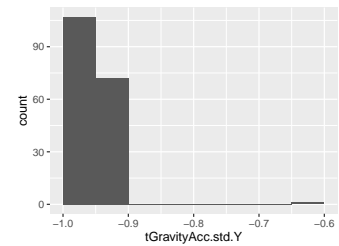
tGravityAcc.std.Z

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	180
Median	-0.95
1st and 3rd quartiles	-0.96; -0.92
Min. and max.	-0.99; -0.61
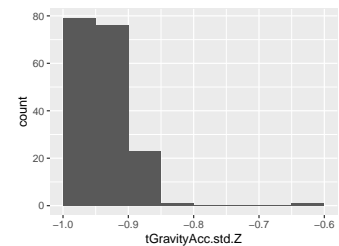
tBodyAccJerk.mean.X

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
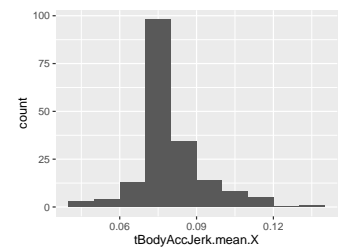
tBodyAccJerk.mean.Y

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
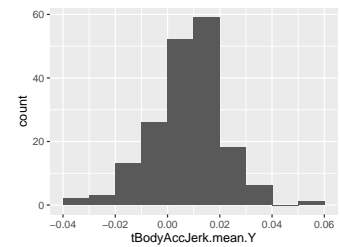
tBodyAccJerk.mean.Z

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
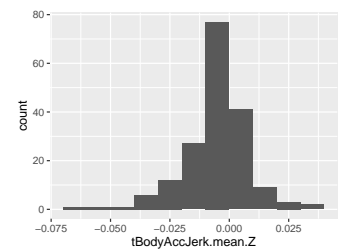
tBodyAccJerk.std.X

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; -0.22
Min. and max.	-0.99; 0.54
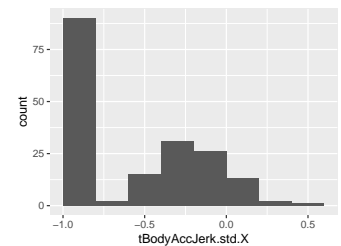
tBodyAccJerk.std.Y

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; -0.15
Min. and max.	-0.99; 0.36
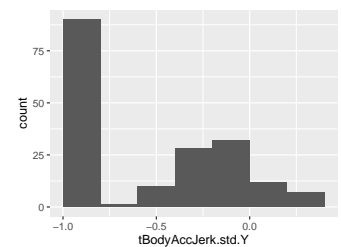
tBodyAccJerk.std.Z

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; -0.51
Min. and max.	-0.99; 0.03
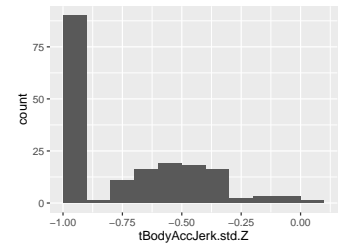
tBodyGyro.mean.X

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
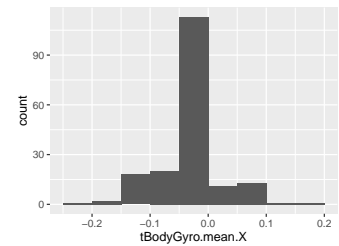
tBodyGyro.mean.Y

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

tBodyGyro.mean.Z

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
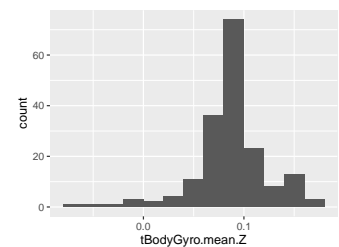
tBodyGyro.std.X

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; -0.44
Min. and max.	-0.99; 0.27
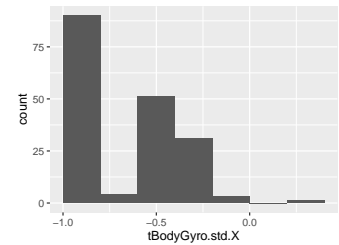
tBodyGyro.std.Y

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; 0.48
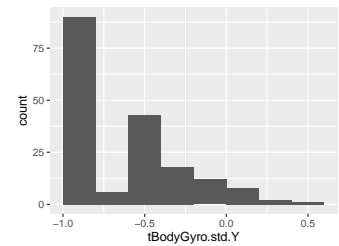
tBodyGyro.std.Z

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; -0.31
Min. and max.	-0.99; 0.56

tBodyGyroJerk.mean.X

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
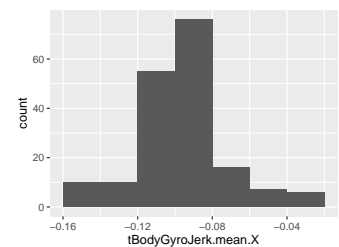
tBodyGyroJerk.mean.Y

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
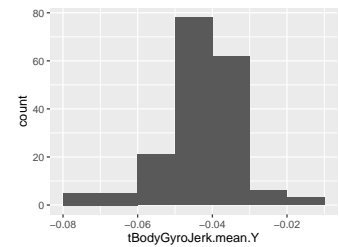
tBodyGyroJerk.mean.Z

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
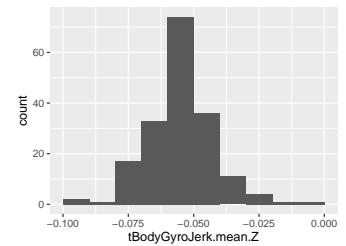
tBodyGyroJerk.std.X

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	180
Median	-0.84
1st and 3rd quartiles	-0.98; -0.46
Min. and max.	-1; 0.18
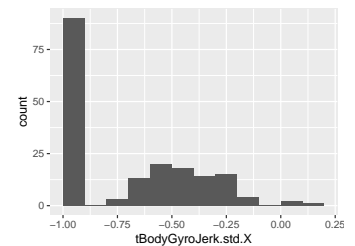
tBodyGyroJerk.std.Y

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; -0.59
Min. and max.	-1; 0.3
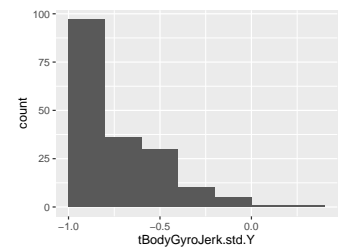
tBodyGyroJerk.std.Z

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	180
Median	-0.86
1st and 3rd quartiles	-0.98; -0.47
Min. and max.	-1; 0.19
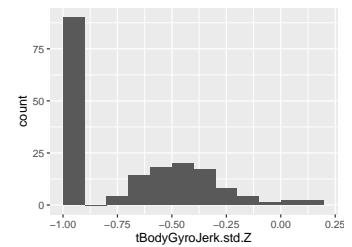
tBodyAccMag.mean

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
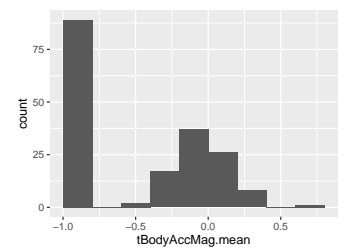
tBodyAccMag.std

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
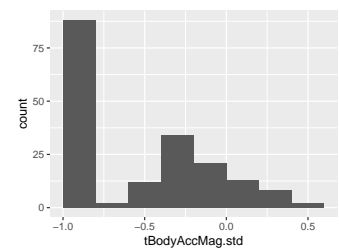
tGravityAccMag.mean

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
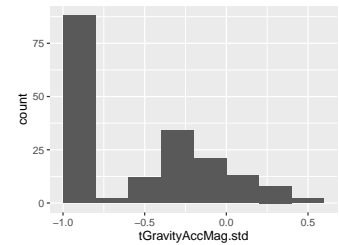
tBodyAccJerkMag.mean

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
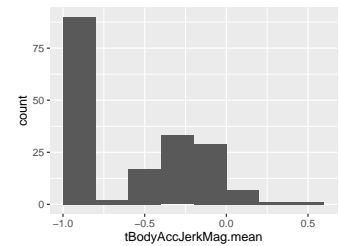
tBodyAccJerkMag.std

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
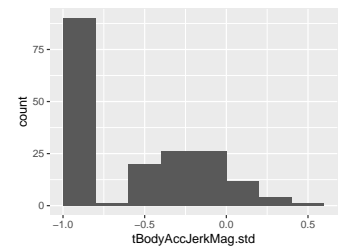
tBodyGyroMag.mean

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
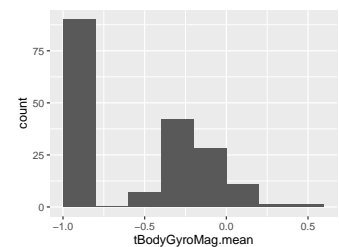
tBodyGyroMag.std

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
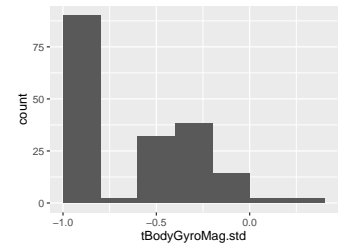
tBodyGyroJerkMag.mean

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
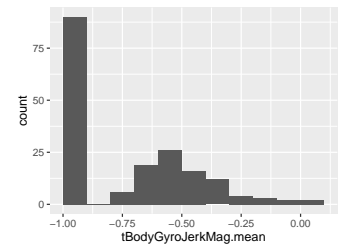
tBodyGyroJerkMag.std

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
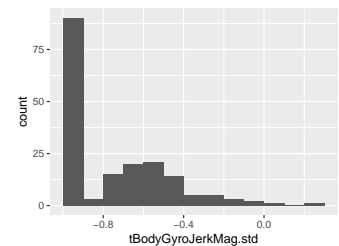
fBodyAcc.mean.X

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
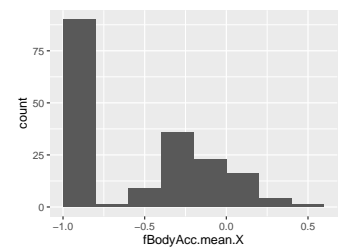
fBodyAcc.mean.Y

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
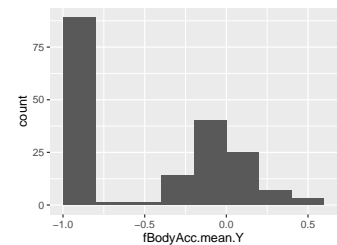
fBodyAcc.mean.Z

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
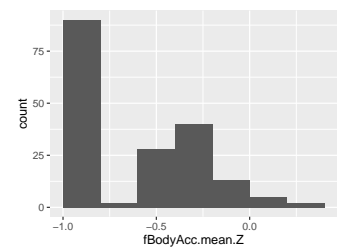
fBodyAcc.std.X

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
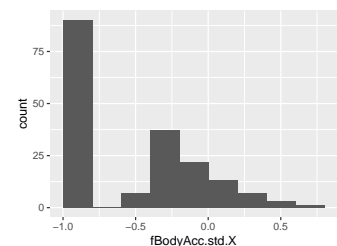
fBodyAcc.std.Y

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
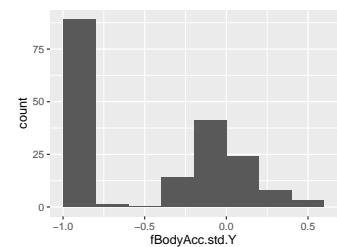
fBodyAcc.std.Z

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
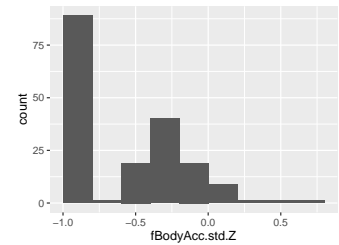
fBodyAccJerk.mean.X

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
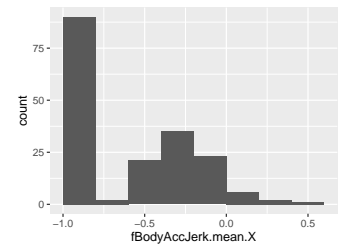
fBodyAccJerk.mean.Y

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
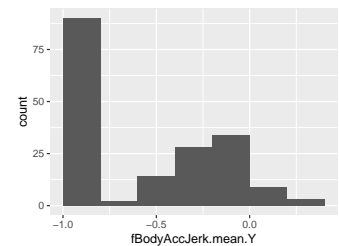
fBodyAccJerk.mean.Z

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
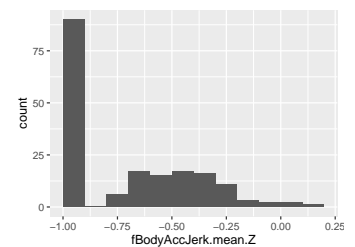
fBodyAccJerk.std.X

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
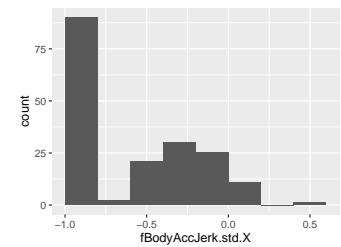
fBodyAccJerk.std.Y

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
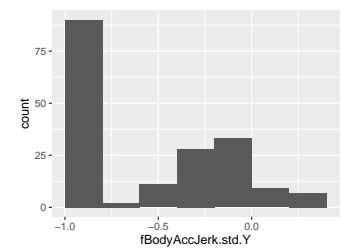
fBodyAccJerk.std.Z

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
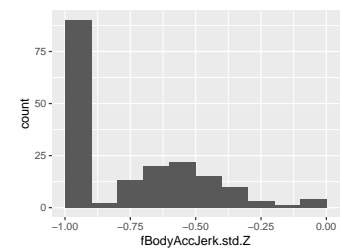
fBodyGyro.mean.X

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
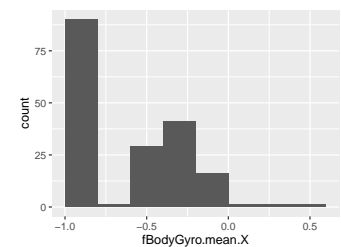
fBodyGyro.mean.Y

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
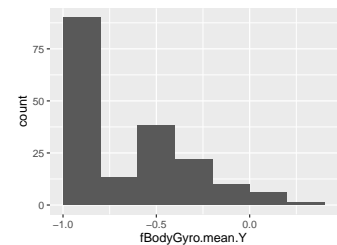
fBodyGyro.mean.Z

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
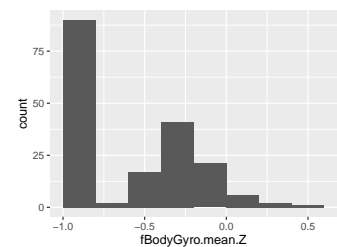
fBodyGyro.std.X

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
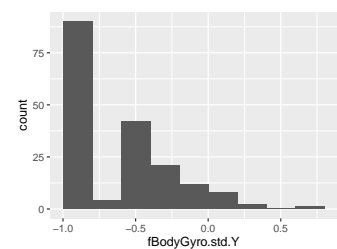
fBodyGyro.std.Z

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
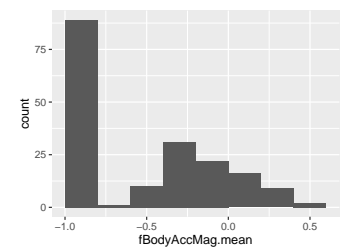
fBodyAccMag.std

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
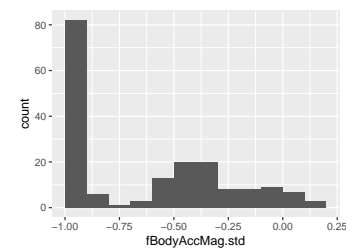
fBodyBodyAccJerkMag.mean

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
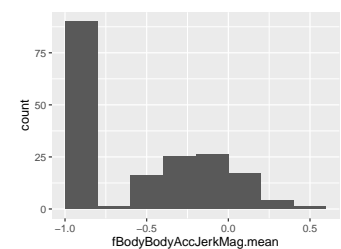
fBodyBodyAccJerkMag.std

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
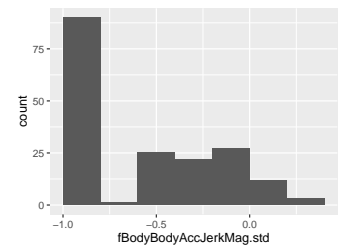
fBodyBodyGyroMag.mean

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
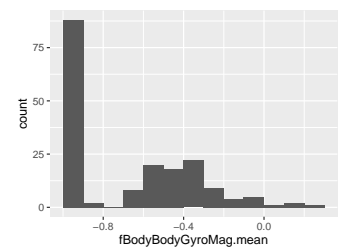
fBodyBodyGyroMag.std

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
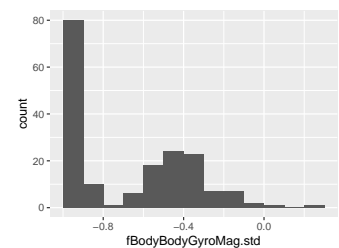
fBodyBodyGyroJerkMag.mean

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
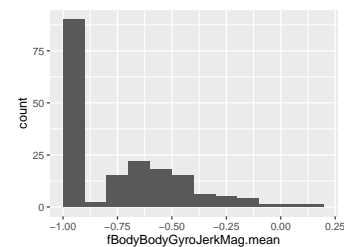
fBodyBodyGyroJerkMag.std

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
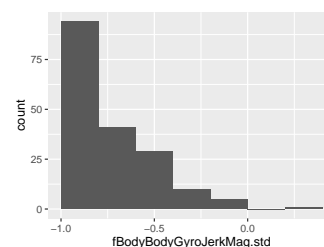
Report generation information:

- Created by: Paulina Rakowska (username: parakowska).

- Report creation time: niedz. paź 16 2022 19:15:49

- Report was run from directory: `C:/Users/parakowska/OneDrive - Deloitte (O365D)/Documents/RStudio_test/course`

- dataMaid v1.4.1 [Pkg: 2021-10-08 from CRAN (R 4.2.1)]

- R version 4.2.1 (2022-06-23 ucrt).

- Platform: x86_64-w64-mingw32/x64 (64-bit)(Windows 10 x64 (build 19044)).

- Function call: dataMaid::makeDataReport(data = tidy_data2, mode = c("summarize", "visualize", "check"), smartNum = FALSE, file = "codebook_tidy_data2.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 tidy_data2")