Codebook for averages

Autogenerated data summary from dataMaid

2019-06-21 21:01:39

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
	subjectnumber	factor	30	0.00 %	
	activity	factor	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 %	
	tBodyGyroJerk-mean-Z	numeric	180	0.00 %	
	tBodyGyroJerk-std-X	numeric	180	0.00 %	

Label	Variable	Class	# unique values	Missing	Description
	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

subjectnumber

Feature	Result
Variable type	factor
Number of missing obs.	0 (0 %)
Number of unique values	30
Mode	"1"
Reference category	1
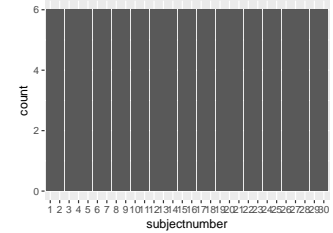
- Observed factor levels: "1", "10", "11", "12", "13", "14", "15", "16", "17", "18", "19", "2", "20", "21", "22", "23", "24", "25", "26", "27", "28", "29", "3", "30", "4", "5", "6", "7", "8", "9".

activity

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

- 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
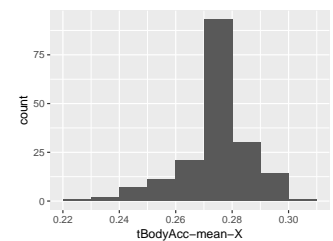
tBodyAcc-mean-Y

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
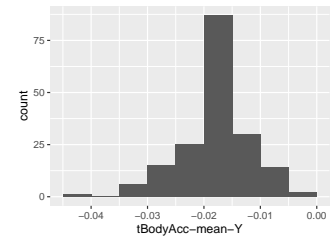
tBodyAcc-mean-Z

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
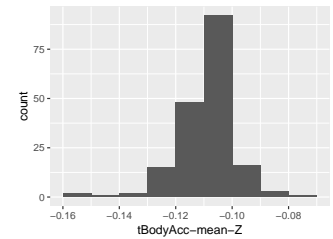
tBodyAcc-std-X

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
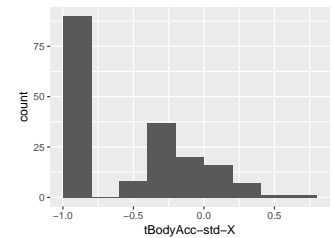
tBodyAcc-std-Y

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
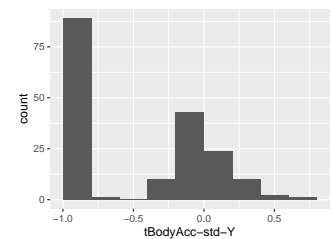
tBodyAcc-std-Z

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
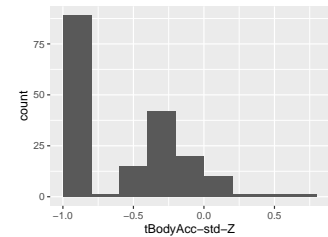
tGravityAcc-mean-X

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
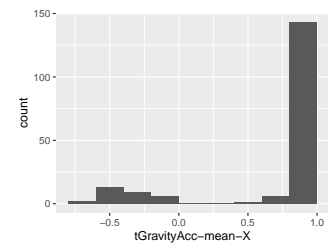
tGravityAcc-mean-Y

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
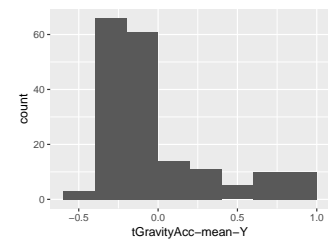
tGravityAcc-mean-Z

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
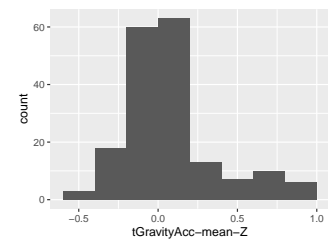
tGravityAcc-std-X

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
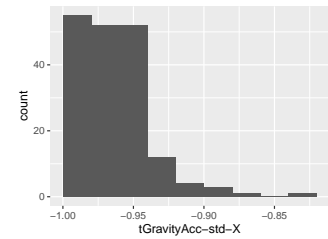
tGravityAcc-std-Y

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
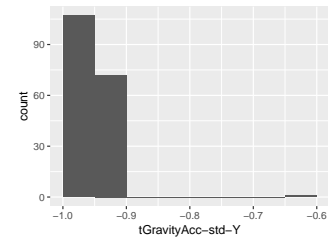
tGravityAcc-std-Z

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
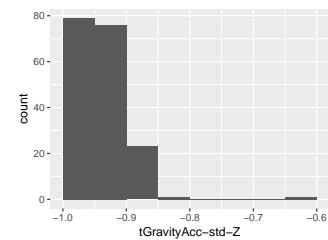
tBodyAccJerk-mean-X

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
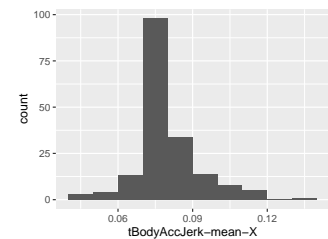
tBodyAccJerk-mean-Y

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
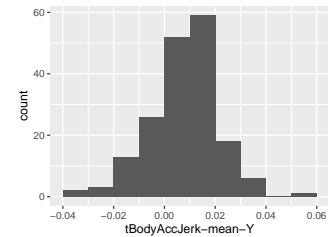
tBodyAccJerk-mean-Z

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
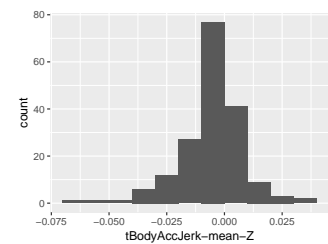
tBodyAccJerk-std-X

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
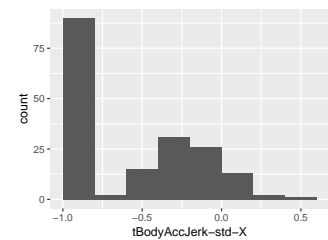
tBodyAccJerk-std-Y

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
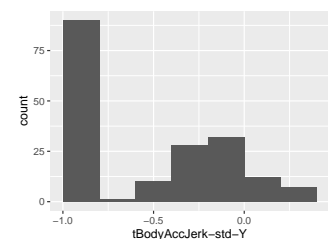
tBodyAccJerk-std-Z

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
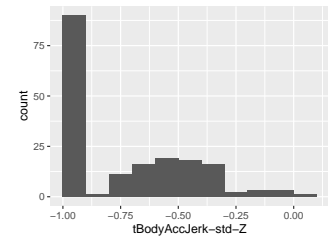
tBodyGyro-mean-X

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
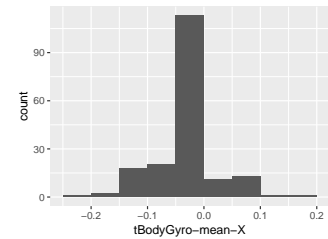
tBodyGyro-mean-Y

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
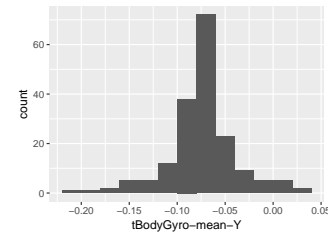
tBodyGyro-mean-Z

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
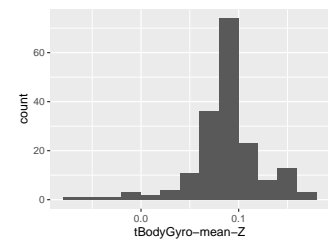
tBodyGyro-std-X

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
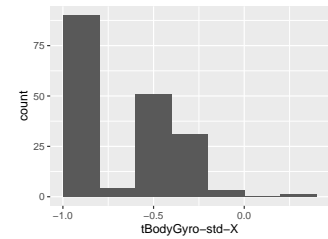
tBodyGyro-std-Y

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
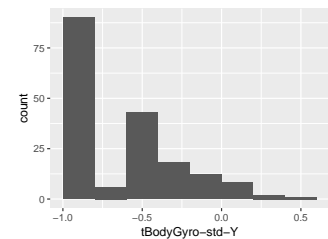
tBodyGyro-std-Z

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
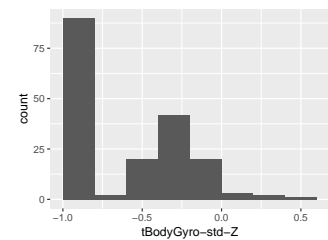
tBodyGyroJerk-mean-X

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
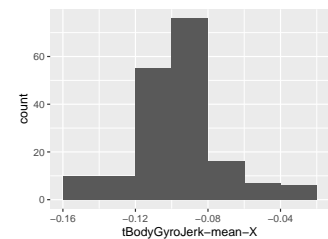
tBodyGyroJerk-mean-Y

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
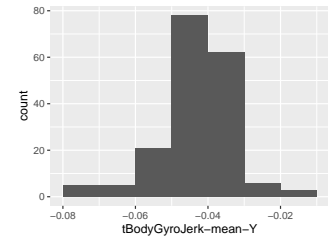
tBodyGyroJerk-mean-Z

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
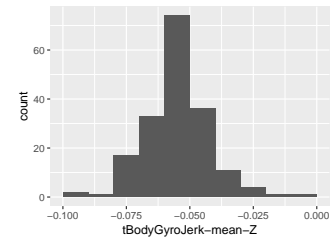
tBodyGyroJerk-std-X

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
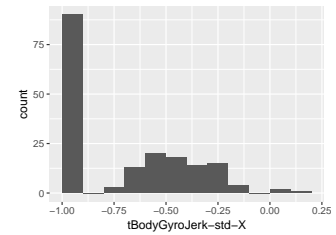
tBodyGyroJerk-std-Y

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
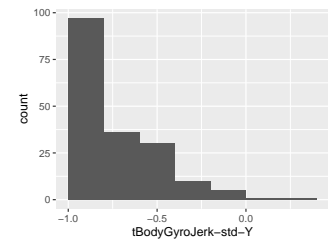
tBodyGyroJerk-std-Z

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
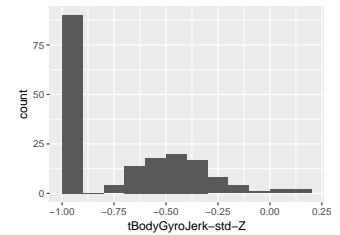
tBodyAccMag-mean

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
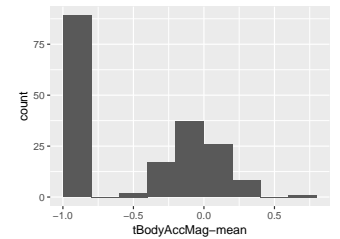
tBodyAccMag-std

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
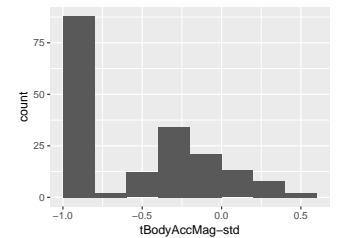
tGravityAccMag-mean

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
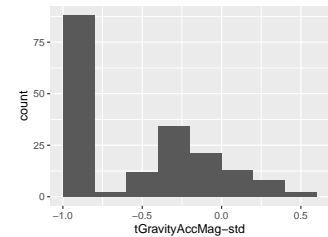
tBodyAccJerkMag-mean

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
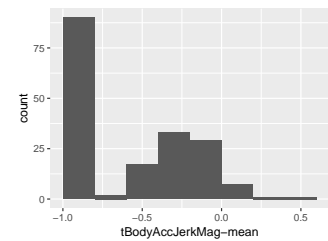
tBodyAccJerkMag-std

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
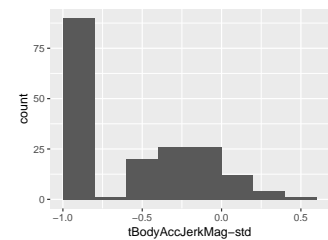
tBodyGyroMag-mean

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
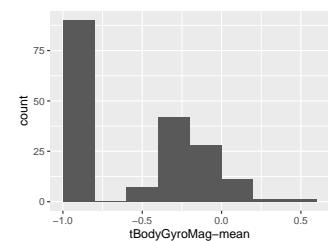
tBodyGyroMag-std

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
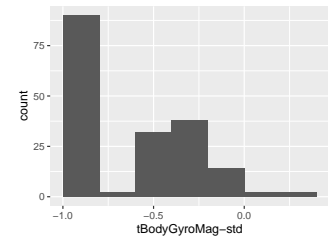
tBodyGyroJerkMag-mean

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
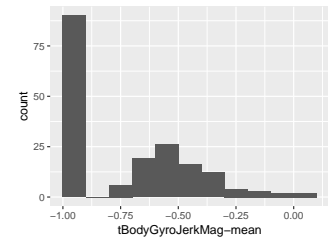
tBodyGyroJerkMag-std

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
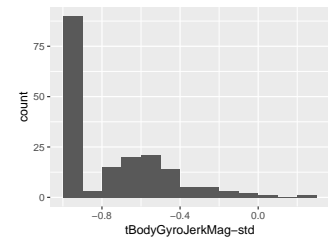
fBodyAcc-mean-X

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
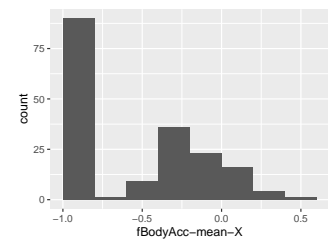
fBodyAcc-mean-Y

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
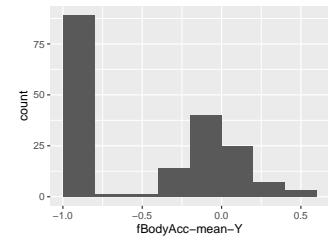
fBodyAcc-mean-Z

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
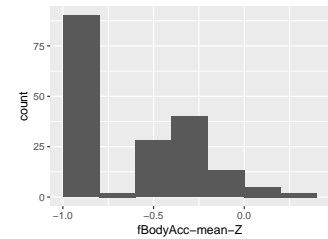
fBodyAcc-std-X

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
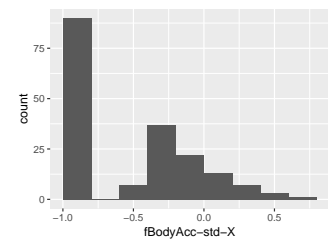
fBodyAcc-std-Y

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
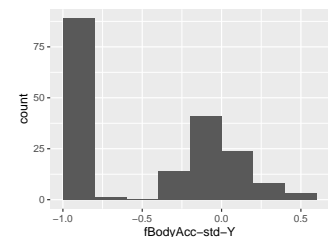
fBodyAcc-std-Z

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
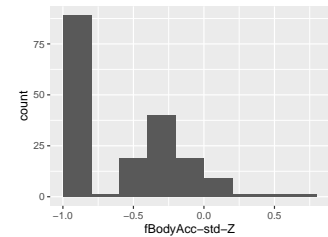
fBodyAccJerk-mean-X

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
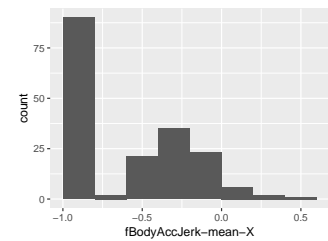
fBodyAccJerk-mean-Y

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
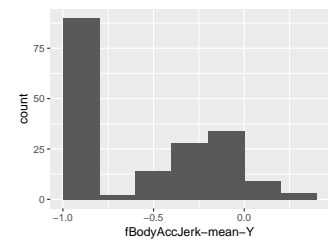
fBodyAccJerk-mean-Z

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
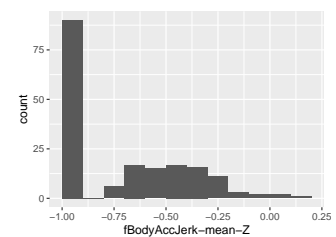
fBodyAccJerk-std-X

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
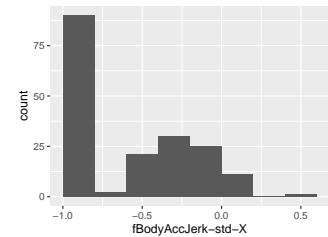
fBodyAccJerk-std-Y

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
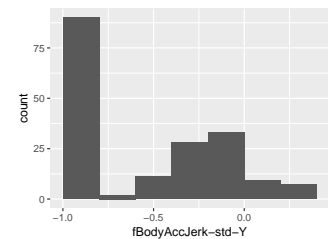
fBodyAccJerk-std-Z

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
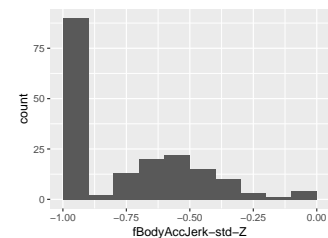
fBodyGyro-mean-X

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
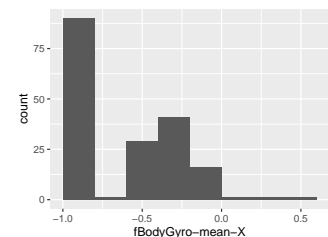
fBodyGyro-mean-Y

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
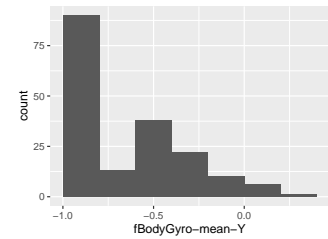
fBodyGyro-mean-Z

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
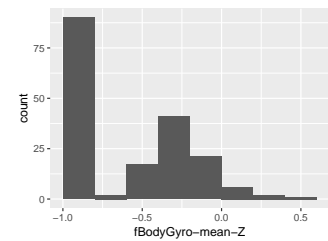
fBodyGyro-std-X

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
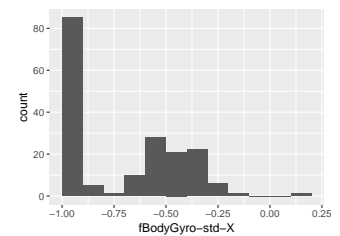
fBodyGyro-std-Y

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
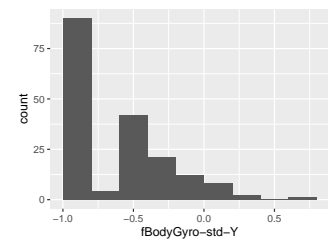
fBodyGyro-std-Z

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
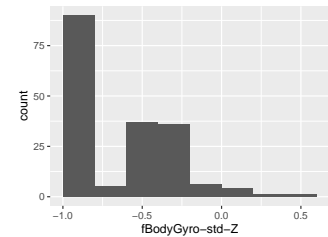
fBodyAccMag-mean

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
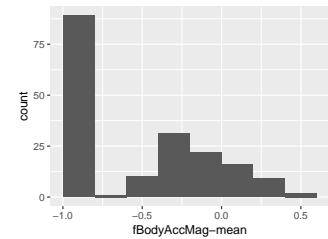
fBodyAccMag-std

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
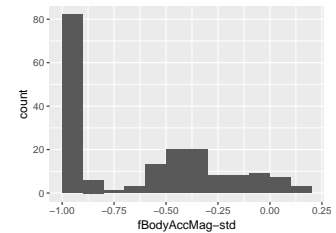
fBodyBodyAccJerkMag-mean

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
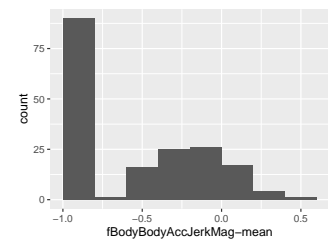
fBodyBodyAccJerkMag-std

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
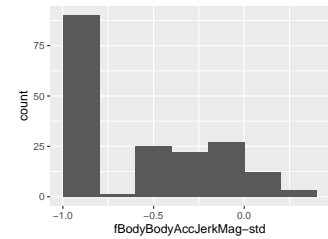
fBodyBodyGyroMag-mean

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
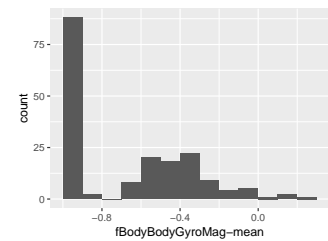
fBodyBodyGyroMag-std

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
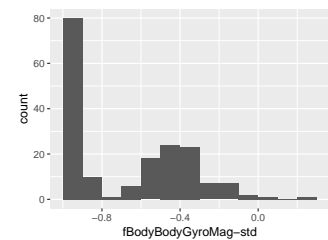
fBodyBodyGyroJerkMag-mean

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
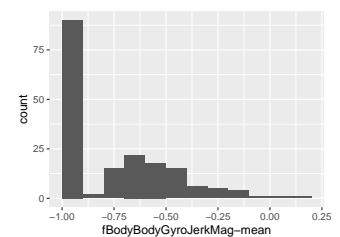
fBodyBodyGyroJerkMag-std

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
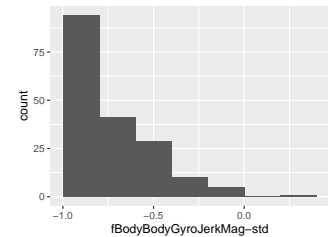
Report generation information:

- Created by Jeroen Sikkema (username: `root`).

- Report creation time: vr jun 21 2019 21:01:40

- Report was run from directory: `/home/jeroen/datasciencecoursera/c3w4`

- dataMaid v1.3.0 [Pkg: 2019-06-07 from CRAN (R 3.4.4)]

- R version 3.4.4 (2018-03-15).

- Platform: x86_64-pc-linux-gnu (64-bit)(Ubuntu 18.04.2 LTS).

- Function call: `makeDataReport(data = averages, mode = c("summarize", "visualize", "check"), smartNum = FALSE, file = "codebook_averages.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 averages")`