Codebook for the tidy dataset from the Human Activity Recognition Using Smartphones Data Set

Autogenerated data summary from dataMaid

2020-10-17 14:38:59

Data report overview

The tidy dataset was derived from the original Human Activity Recognition Using Smartphones Data Set by merging the training and test sets, extracting only the measurements on the mean and standard deviation for each measurement and averaging of each variable for each activity and each subject.

The dataset examined has the following dimensions:

Feature	Result
Number of observations	180
Number of variables	68

Naming convations:

The features selected for this database come from the accelerometer and gyroscope 3-axial raw signals (so with the suffix '-X' we denote the x-axis, with '-Y' the y-axis and with '-Z' the z-axis).

These time domain signals (prefix 'Time-') were captured at a constant rate of 50 Hz. Then they were filtered using a median filter and a 3rd order low pass Butterworth filter with a corner frequency of 20 Hz to remove noise. Similarly, the acceleration signal was then separated into body and gravity acceleration signals ('Time-BodyAcceleration' and 'Time-GravityAcceleration' prefixes) using another low pass Butterworth filter with a corner frequency of 0.3 Hz.

Subsequently, the body linear acceleration and angular velocity were derived in time to obtain Jerk signals (we denote this signals with '-Jerk'). Also the magnitude of these three-dimensional signals were calculated using the Euclidean norm (we denote this signals with 'Magnitude').

Finally a Fast Fourier Transform (FFT) was applied to some of these signals producing frequency domain signals (prefix 'Frequency-').

The set of variables that were estimated from these signals are:

mean(): Mean value (denoted with '-Mean')

std(): Standard deviation (denoted with '-Std')

Codebook summary table

Label	Variable	Class	# unique values	Missing	Description
	SubjectID	factor	30	0.00 %	The ID of the subject
	Activity	factor	6	0.00 %	Type of activity

Label	Variable	Class	# unique values	Missing	Description
	Time-BodyAcceleration-Mean-X	numeric	180	0.00 %	
	Time-BodyAcceleration-Mean-Y	numeric	180	0.00 %	
	Time-BodyAcceleration-Mean-Z	numeric	180	0.00 %	
	Time-BodyAcceleration-Std-X	numeric	180	0.00 %	
	Time-BodyAcceleration-Std-Y	numeric	180	0.00 %	
	Time-BodyAcceleration-Std-Z	numeric	180	0.00 %	
	Time-GravityAcceleration-Mean-X	numeric	180	0.00 %	
	Time-GravityAcceleration-Mean-Y	numeric	180	0.00 %	
	Time-GravityAcceleration-Mean-Z	numeric	180	0.00 %	
	Time-GravityAcceleration-Std-X	numeric	180	0.00 %	
	Time-GravityAcceleration-Std-Y	numeric	180	0.00 %	
	Time-GravityAcceleration-Std-Z	numeric	180	0.00 %	
	Time-BodyAcceleration-Jerk-Mean-X	numeric	180	0.00 %	
	Time-BodyAcceleration-Jerk-Mean-Y	numeric	180	0.00 %	
	Time-BodyAcceleration-Jerk-Mean-Z	numeric	180	0.00 %	
	Time-BodyAcceleration-Jerk-Std-X	numeric	180	0.00 %	
	Time-BodyAcceleration-Jerk-Std-Y	numeric	180	0.00 %	
	Time-BodyAcceleration-Jerk-Std-Z	numeric	180	0.00 %	
	Time-BodyGyroscope-Mean-X	numeric	180	0.00 %	
	Time-BodyGyroscope-Mean-Y	numeric	180	0.00 %	
	Time-BodyGyroscope-Mean-Z	numeric	180	0.00 %	
	Time-BodyGyroscope-Std-X	numeric	180	0.00 %	
	Time-BodyGyroscope-Std-Y	numeric	180	0.00 %	
	Time-BodyGyroscope-Std-Z	numeric	180	0.00 %	
	Time-BodyGyroscope-Jerk-Mean-X	numeric	180	0.00 %	
	Time-BodyGyroscope-Jerk-Mean-Y	numeric	180	0.00 %	
	Time-BodyGyroscope-Jerk-Mean-Z	numeric	180	0.00 %	
	Time-BodyGyroscope-Jerk-Std-X	numeric	180	0.00 %	
	Time-BodyGyroscope-Jerk-Std-Y	numeric	180	0.00 %	
	Time-BodyGyroscope-Jerk-Std-Z	numeric	180	0.00 %	
	Time-BodyAccelerationMagnitude-Mean	numeric	180	0.00 %	

Label	Variable	Class	# unique values	Missing	Description
	Time-BodyAccelerationMagnitude-Std	numeric	180	0.00 %	
	Time-GravityAccelerationMagnitude-Mean	numeric	180	0.00 %	
	Time-GravityAccelerationMagnitude-Std	numeric	180	0.00 %	
	Time-BodyAcceleration-JerkMagnitude-Mean	numeric	180	0.00 %	
	Time-BodyAcceleration-JerkMagnitude-Std	numeric	180	0.00 %	
	Time-BodyGyroscopeMagnitude-Mean	numeric	180	0.00 %	
	Time-BodyGyroscopeMagnitude-Std	numeric	180	0.00 %	
	Time-BodyGyroscope-JerkMagnitude-Mean	numeric	180	0.00 %	
	Time-BodyGyroscope-JerkMagnitude-Std	numeric	180	0.00 %	
	Frequency-BodyAcceleration-Mean-X	numeric	180	0.00 %	
	Frequency-BodyAcceleration-Mean-Y	numeric	180	0.00 %	
	Frequency-BodyAcceleration-Mean-Z	numeric	180	0.00 %	
	Frequency-BodyAcceleration-Std-X	numeric	180	0.00 %	
	Frequency-BodyAcceleration-Std-Y	numeric	180	0.00 %	
	Frequency-BodyAcceleration-Std-Z	numeric	180	0.00 %	
	Frequency-BodyAcceleration-Jerk-Mean-X	numeric	180	0.00 %	
	Frequency-BodyAcceleration-Jerk-Mean-Y	numeric	180	0.00 %	
	Frequency-BodyAcceleration-Jerk-Mean-Z	numeric	180	0.00 %	
	Frequency-BodyAcceleration-Jerk-Std-X	numeric	180	0.00 %	
	Frequency-BodyAcceleration-Jerk-Std-Y	numeric	180	0.00 %	
	Frequency-BodyAcceleration-Jerk-Std-Z	numeric	180	0.00 %	
	Frequency-BodyGyroscope-Mean-X	numeric	180	0.00 %	
	Frequency-BodyGyroscope-Mean-Y	numeric	180	0.00 %	
	Frequency-BodyGyroscope-Mean-Z	numeric	180	0.00 %	
	Frequency-BodyGyroscope-Std-X	numeric	180	0.00 %	
	Frequency-BodyGyroscope-Std-Y	numeric	180	0.00 %	
	Frequency-BodyGyroscope-Std-Z	numeric	180	0.00 %	
	Frequency-BodyAccelerationMagnitude-Mean	numeric	180	0.00 %	
	Frequency-BodyAccelerationMagnitude-Std	numeric	180	0.00 %	
	Frequency-BodyAcceleration-JerkMagnitude-Mean	numeric	180	0.00 %	
	Frequency-BodyAcceleration-JerkMagnitude-Std	numeric	180	0.00 %	

Label	Variable	Class	# unique values	Missing	Description
	Frequency-BodyGyroscopeMagnitude-Mean	numeric	180	0.00 %	
	Frequency-BodyGyroscopeMagnitude-Std	numeric	180	0.00 %	
	Frequency-BodyGyroscope-JerkMagnitude-Mean	numeric	180	0.00 %	
	Frequency-BodyGyroscope-JerkMagnitude-Std	numeric	180	0.00 %	

Variable list

SubjectID

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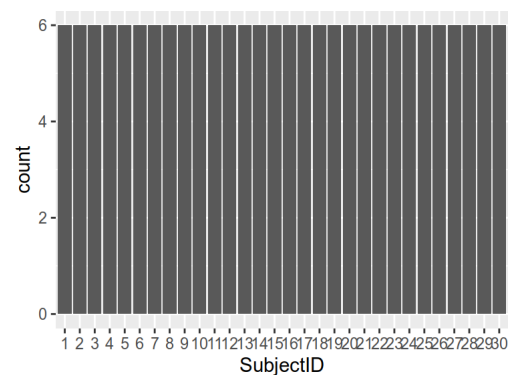
- Observed factor levels: "1", "10", "11", "12", "13", "14", "15", "16", "17", "18", "19", "2", "20", "21", "22", "23", "24", "25", "26", "27", "28", "29", "3", "30", "4", "5", "6", "7", "8", "9".

Activity

Feature	Result
Variable type	factor
Number of missing obs.	0 (0 %)

Feature	Result
Number of unique values	6
Mode	"LAYING"
Reference category	LAYING

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

Time-BodyAcceleration-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
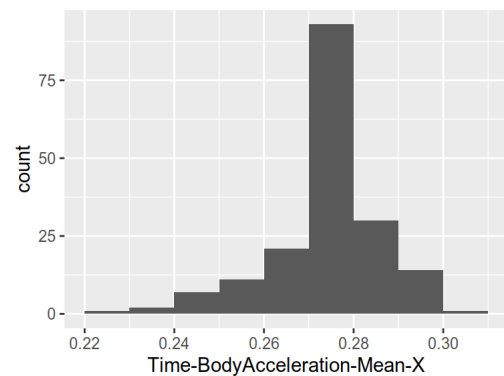
Time-BodyAcceleration-Mean-Y

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
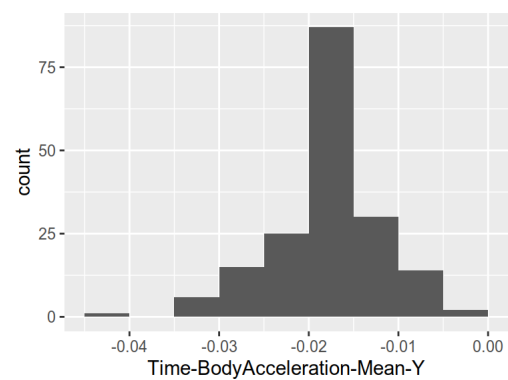
Time-BodyAcceleration-Mean-Z

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
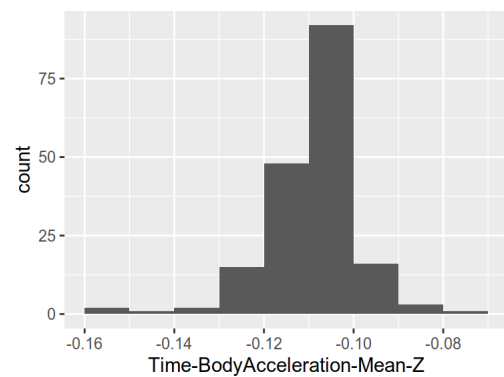
Time-BodyAcceleration-Std-X

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
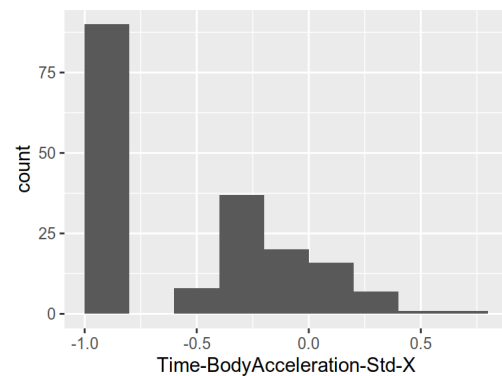
Time-BodyAcceleration-Std-Y

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
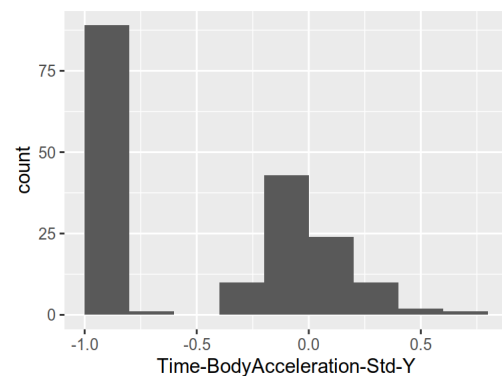
Time-BodyAcceleration-Std-Z

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
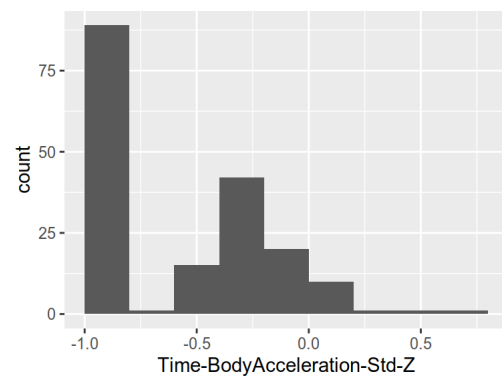
Time-GravityAcceleration-Mean-X

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
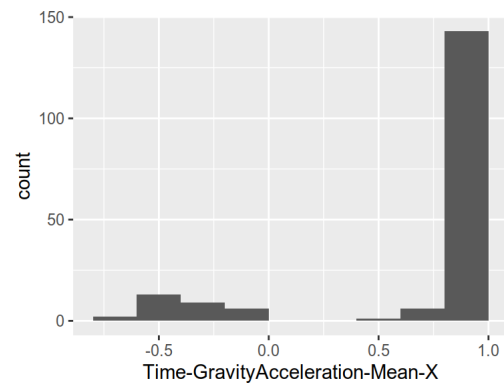
Time-GravityAcceleration-Mean-Y

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
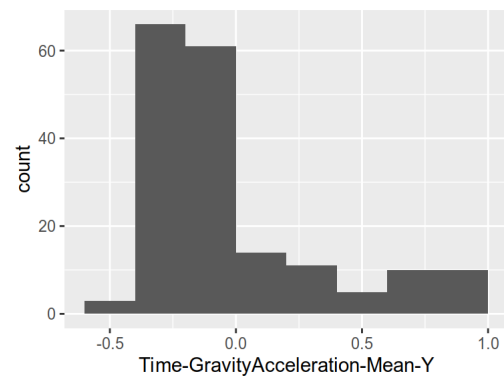
Time-GravityAcceleration-Mean-Z

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
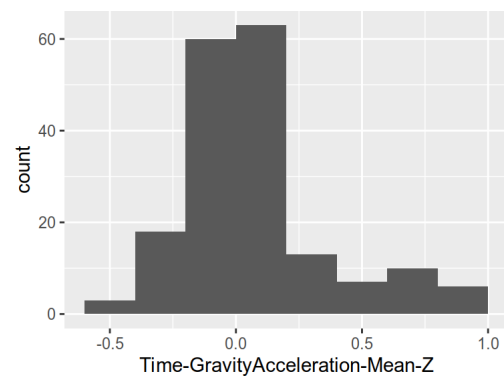
Time-GravityAcceleration-Std-X

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
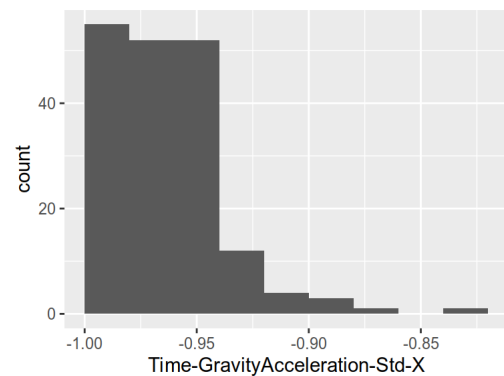
Time-GravityAcceleration-Std-Y

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
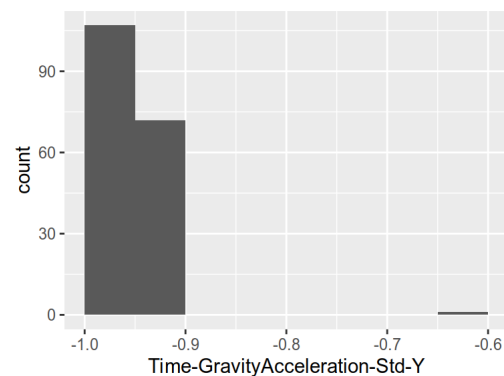
Time-GravityAcceleration-Std-Z

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
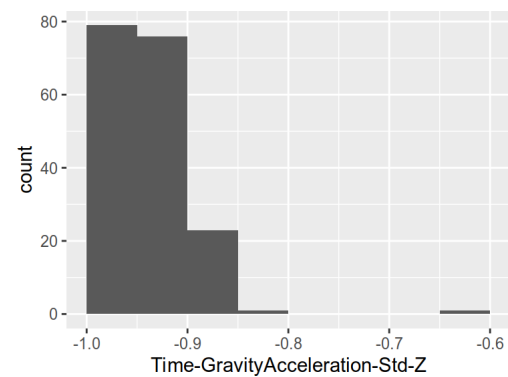
Time-BodyAcceleration-Jerk-Mean-X

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
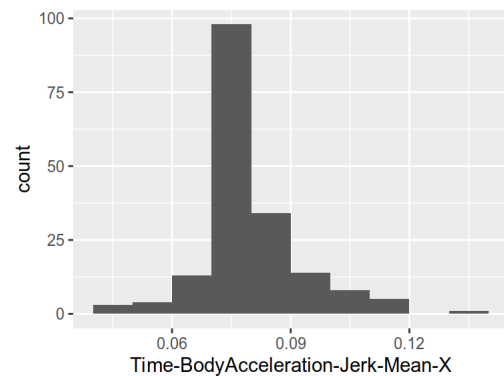
Time-BodyAcceleration-Jerk-Mean-Y

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
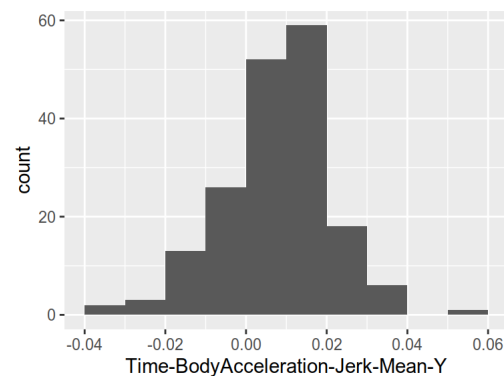
Time-BodyAcceleration-Jerk-Mean-Z

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
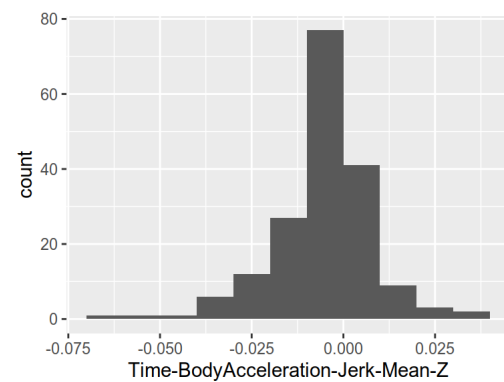
Time-BodyAcceleration-Jerk-Std-X

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
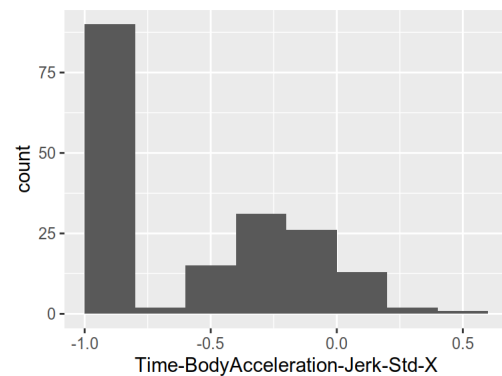
Time-BodyAcceleration-Jerk-Std-Y

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
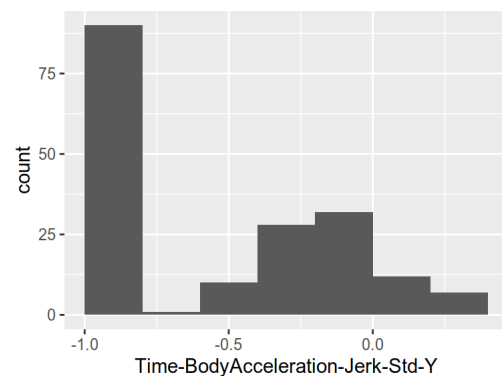
Time-BodyAcceleration-Jerk-Std-Z

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
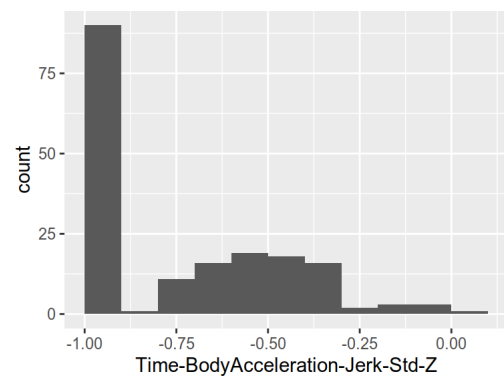
Time-BodyGyroscope-Mean-X

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
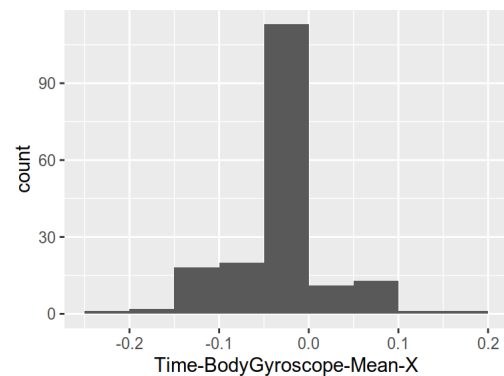
Time-BodyGyroscope-Mean-Y

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
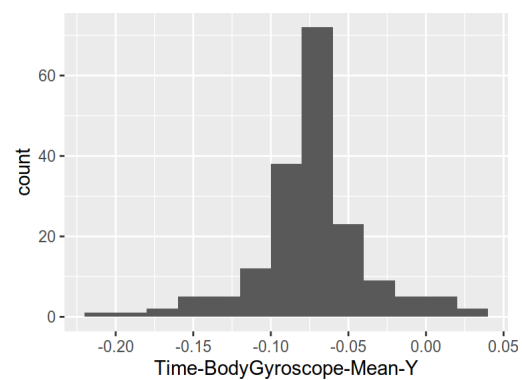
Time-BodyGyroscope-Mean-Z

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
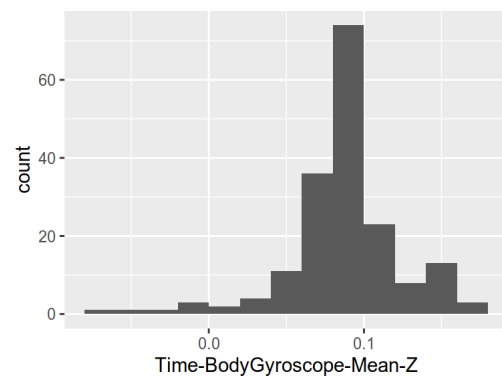
Time-BodyGyroscope-Std-X

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
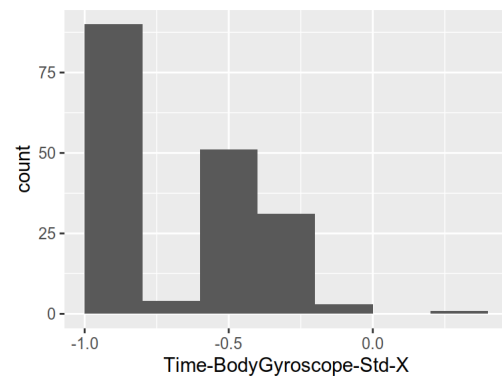
Time-BodyGyroscope-Std-Y

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
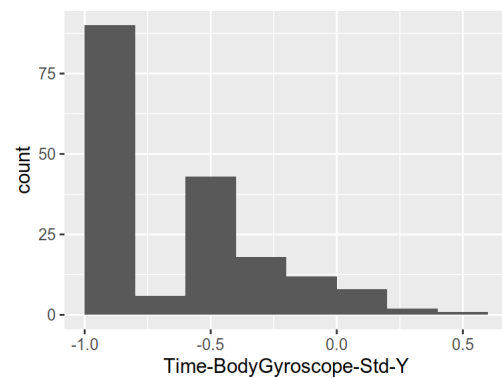
Time-BodyGyroscope-Std-Z

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
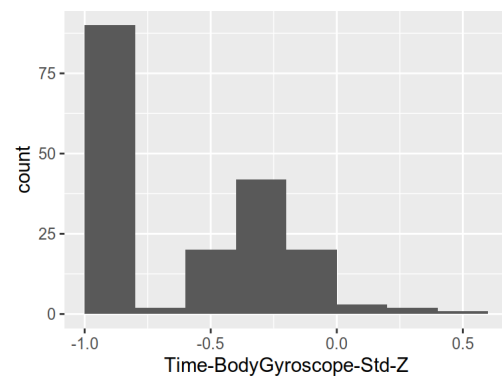
Time-BodyGyroscope-Jerk-Mean-X

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
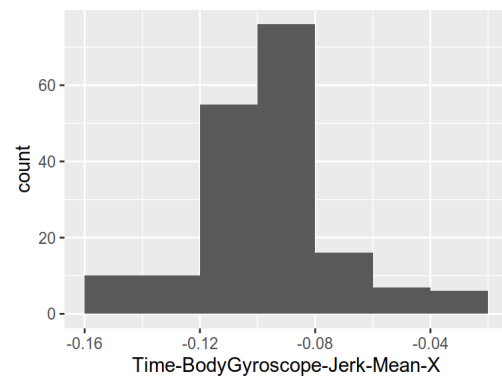
Time-BodyGyroscope-Jerk-Mean-Y

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
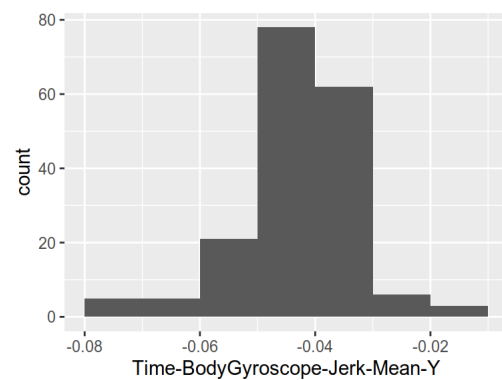
Time-BodyGyroscope-Jerk-Mean-Z

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
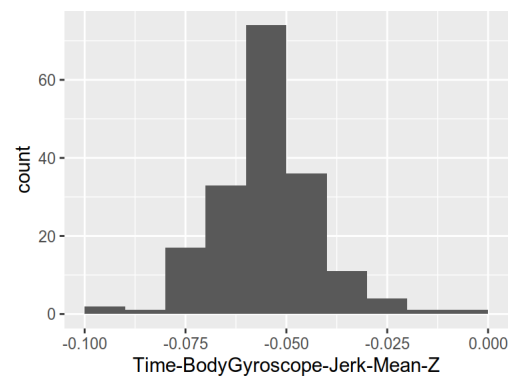
Time-BodyGyroscope-Jerk-Std-X

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
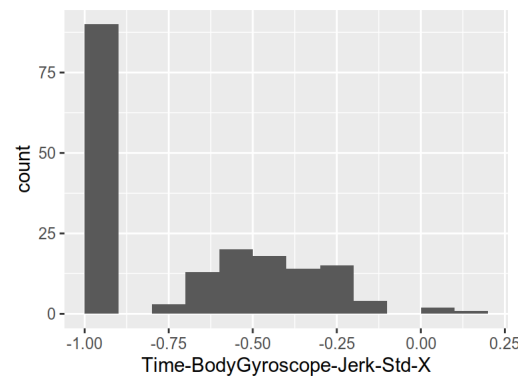
Time-BodyGyroscope-Jerk-Std-Y

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
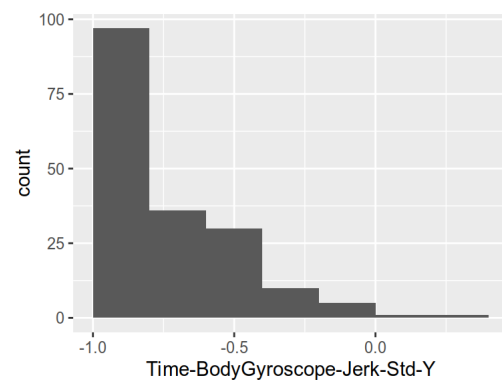
Time-BodyGyroscope-Jerk-Std-Z

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
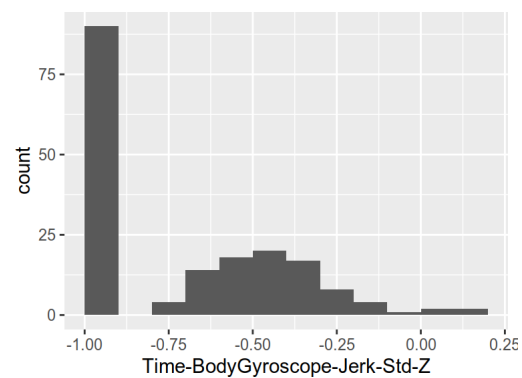
Time-BodyAccelerationMagnitude-Mean

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
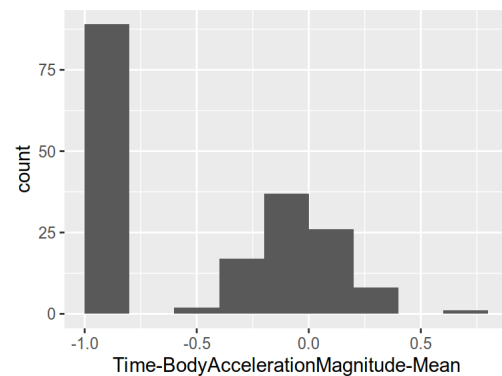
Time-BodyAccelerationMagnitude-Std

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

Time-GravityAccelerationMagnitude-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

Time-GravityAccelerationMagnitude-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

Time-BodyAcceleration-JerkMagnitude-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
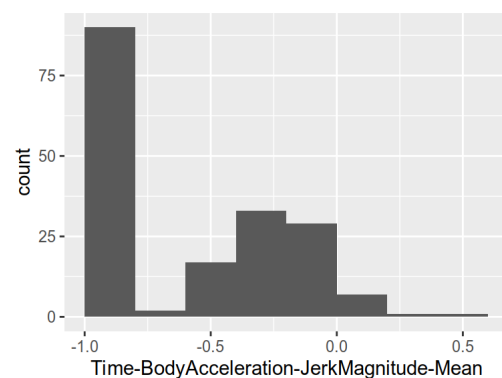
Time-BodyAcceleration-JerkMagnitude-Std

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
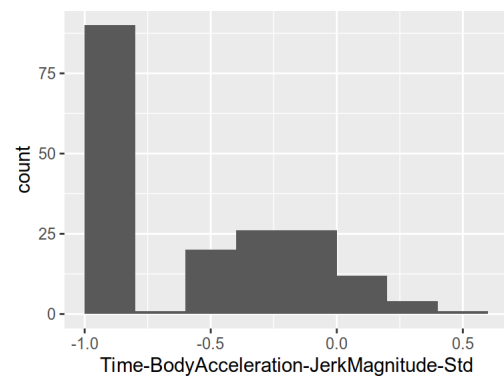
Time-BodyGyroscopeMagnitude-Mean

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
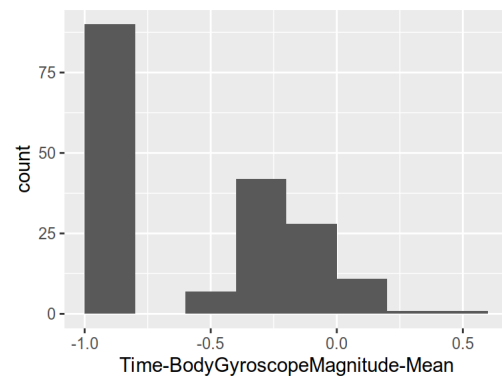
Time-BodyGyroscopeMagnitude-Std

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
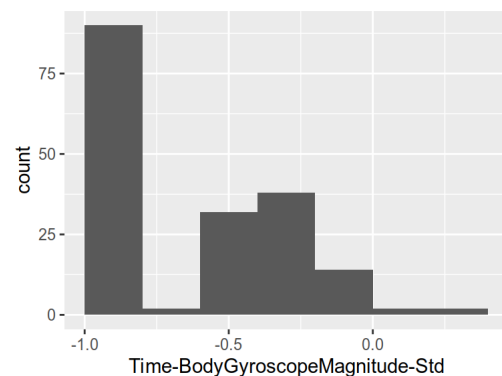
Time-BodyGyroscope-JerkMagnitude-Mean

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
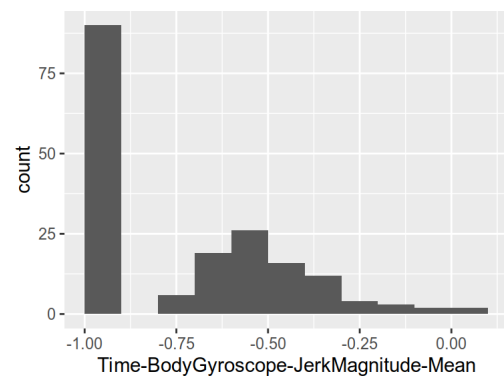
Time-BodyGyroscope-JerkMagnitude-Std

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
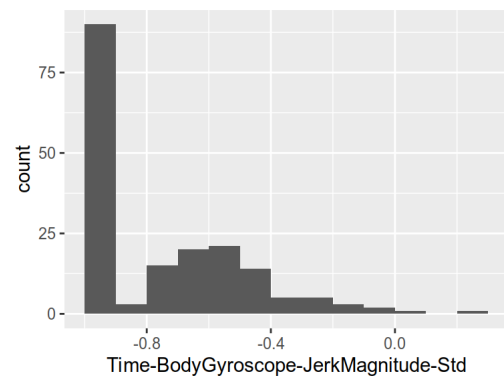
Frequency-BodyAcceleration-Mean-X

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
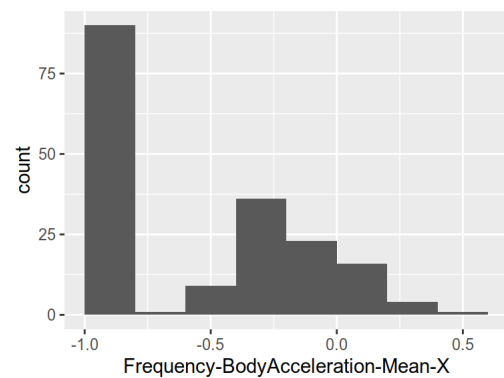
Frequency-BodyAcceleration-Mean-Y

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
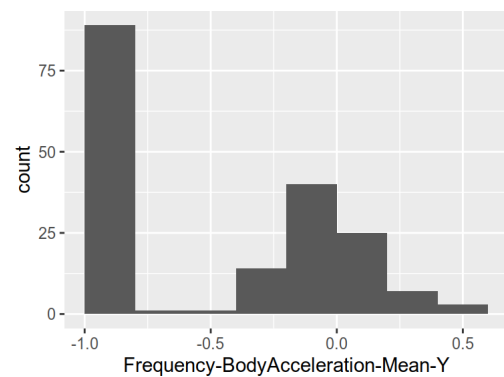
Frequency-BodyAcceleration-Mean-Z

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
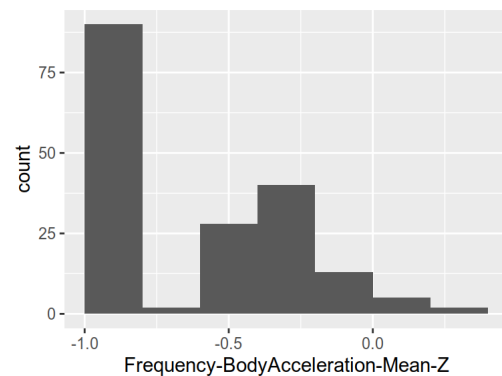
Frequency-BodyAcceleration-Std-X

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
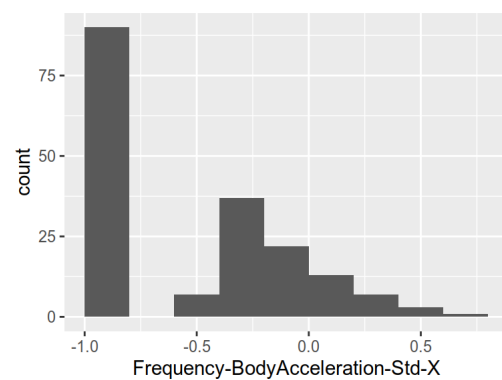
Frequency-BodyAcceleration-Std-Y

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
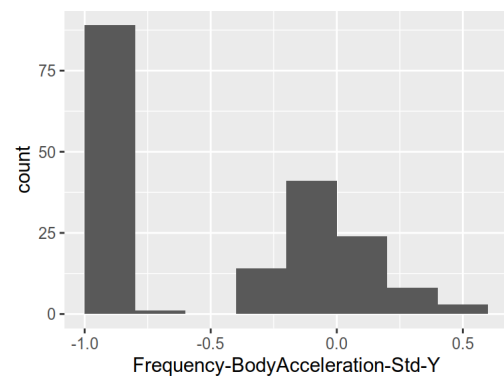
Frequency-BodyAcceleration-Std-Z

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
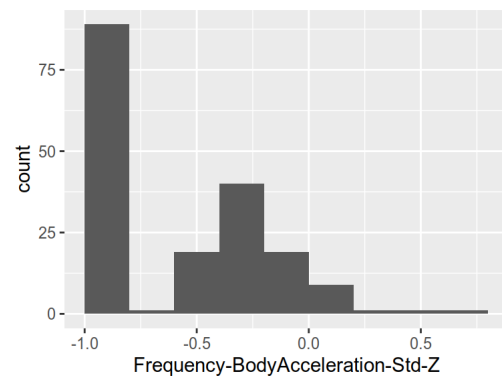
Frequency-BodyAcceleration-Jerk-Mean-X

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
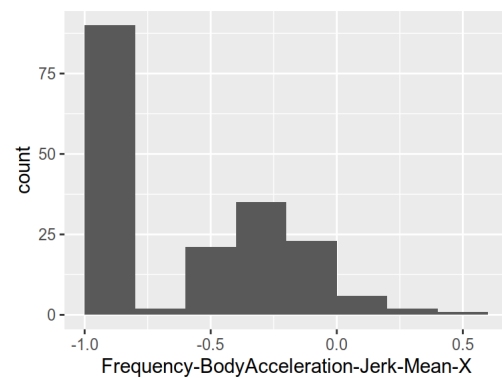
Frequency-BodyAcceleration-Jerk-Mean-Y

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
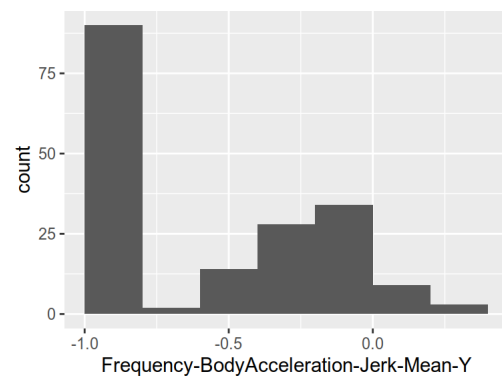
Frequency-BodyAcceleration-Jerk-Mean-Z

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
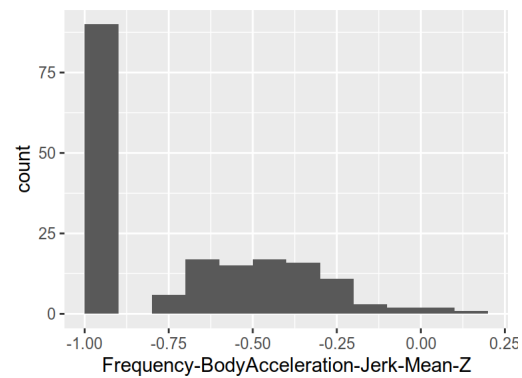
Frequency-BodyAcceleration-Jerk-Std-X

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
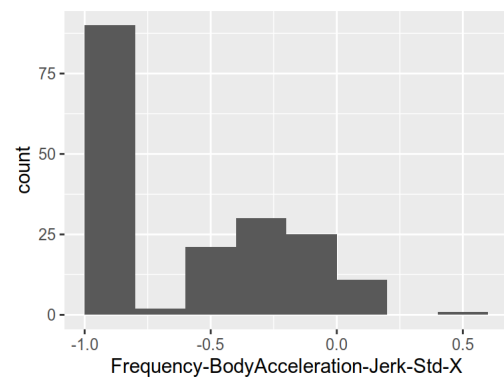
Frequency-BodyAcceleration-Jerk-Std-Y

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
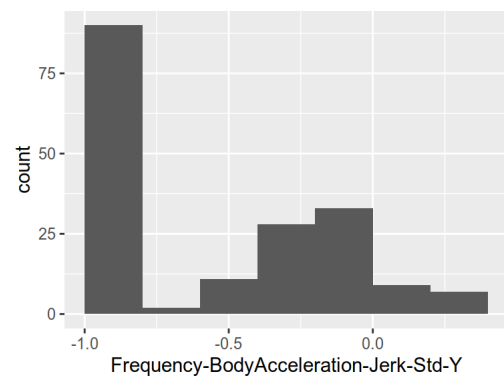
Frequency-BodyAcceleration-Jerk-Std-Z

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
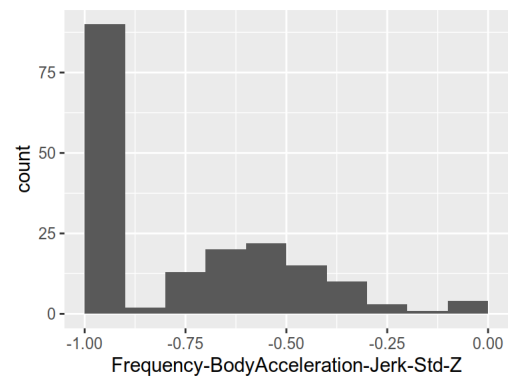
Frequency-BodyGyroscope-Mean-X

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
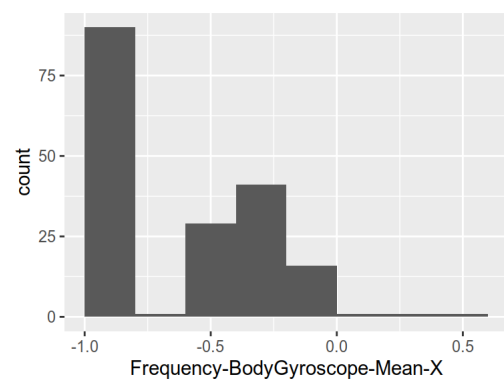
Frequency-BodyGyroscope-Mean-Y

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
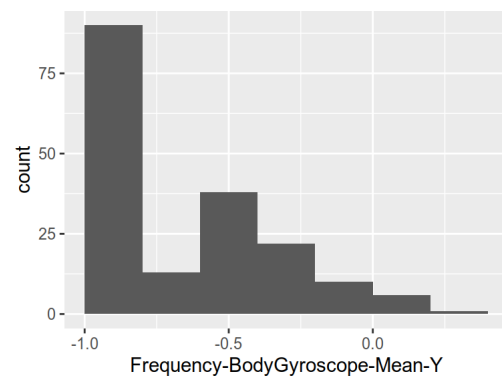
Frequency-BodyGyroscope-Mean-Z

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
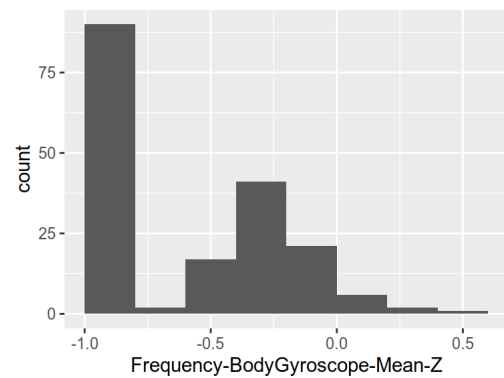
Frequency-BodyGyroscope-Std-X

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
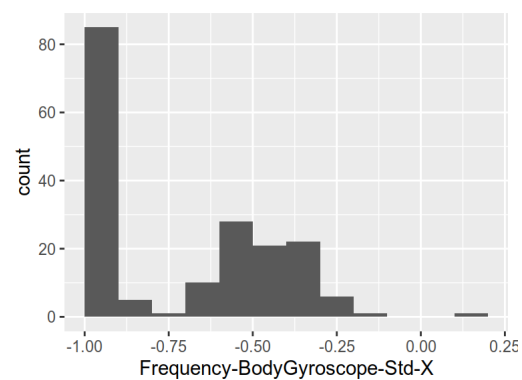
Frequency-BodyGyroscope-Std-Y

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
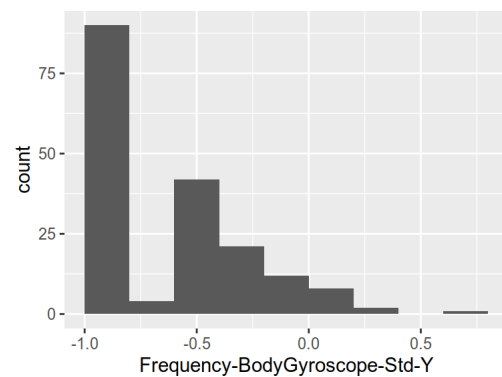
Frequency-BodyGyroscope-Std-Z

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
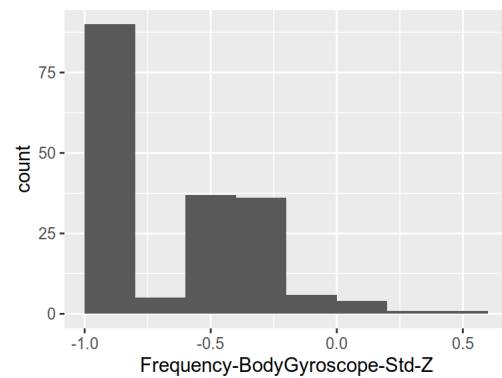
Frequency-BodyAccelerationMagnitude-Mean

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
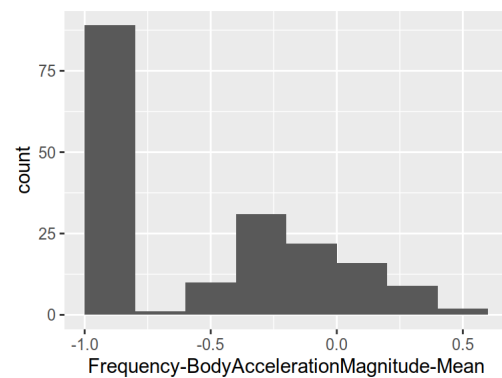
Frequency-BodyAccelerationMagnitude-Std

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
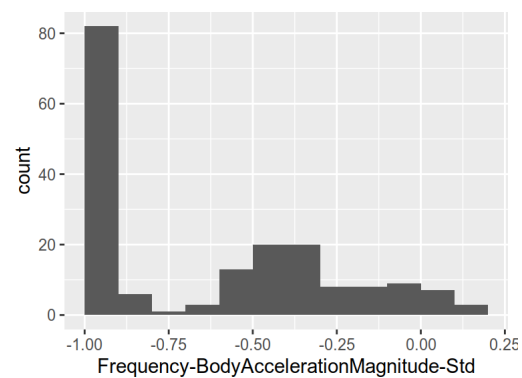
Frequency-BodyAcceleration-JerkMagnitude-Mean

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
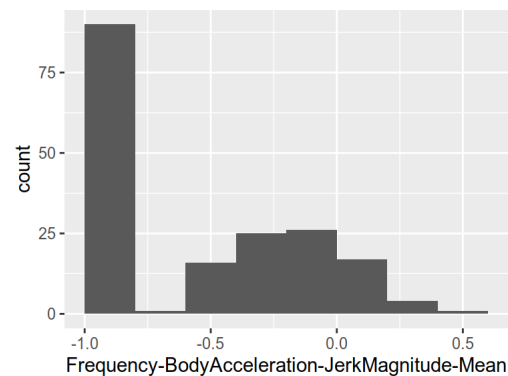
Frequency-BodyAcceleration-JerkMagnitude-Mean

Frequency-BodyAcceleration-JerkMagnitude-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
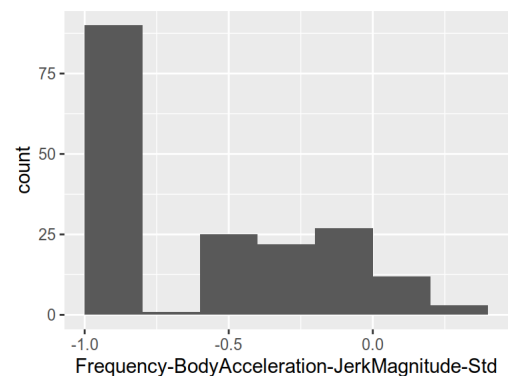
Frequency-BodyAcceleration-JerkMagnitude-Std

Frequency-BodyGyroscopeMagnitude-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
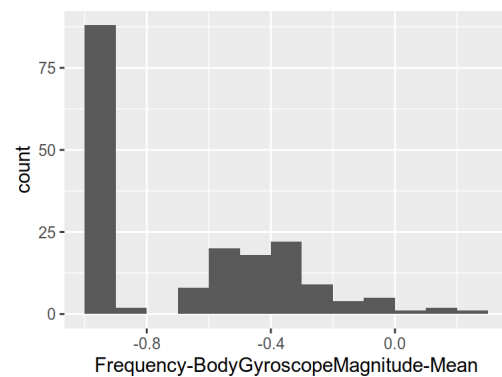
Frequency-BodyGyroscopeMagnitude-Std

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
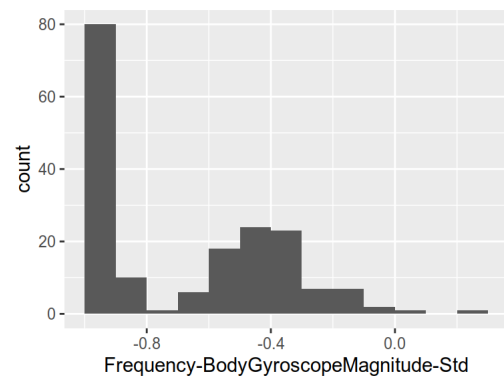
Frequency-BodyGyroscopeMagnitude-Std

Frequency-BodyGyroscope-JerkMagnitude-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

Frequency-BodyGyroscope-JerkMagnitude-Mean
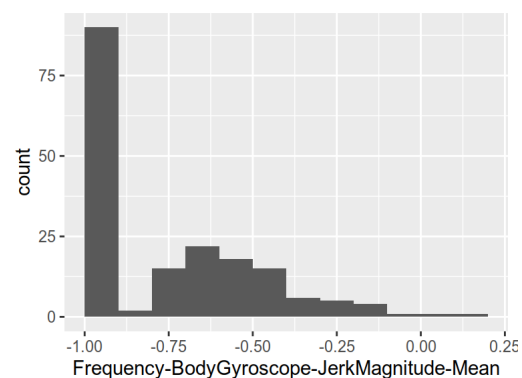
Frequency-BodyGyroscope-JerkMagnitude-Std

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
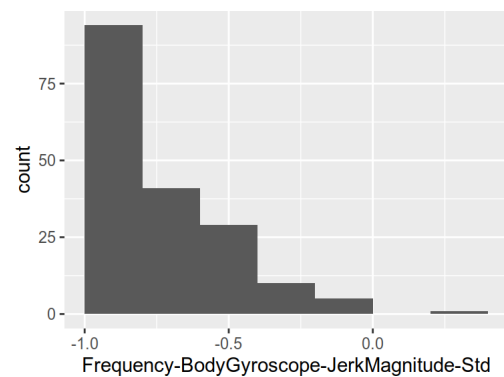
Report generation information:

- Created by: Christos Tsolkas.

- Report creation time: Sat Oct 17 2020 14:39:01

- Report was run from directory: `~/Human-Activity-Recognition`

- dataMaid v1.4.0 [Pkg: 2019-12-10 from CRAN (R 3.6.3)]

- R version 3.6.3 (2020-02-29).

- Platform: x86_64-pc-linux-gnu (64-bit)(Ubuntu 18.04.5 LTS).

- Function call:
  `dataMaid::makeDataReport(data = tidy_dataset, output = "html",  render = FALSE, mode = c("summarize", "visualize", "check" ), smartNum = FALSE, file = "codebo`