Codebook for tidydata.txt

Autogenerated data summary from dataMaid

2019-03-03 11:47:55

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	factor	6	0.00 %	
	timeBodyAccelerometer-mean-X	numeric	180	0.00 %	
	timeBodyAccelerometer-mean-Y	numeric	180	0.00 %	
	timeBodyAccelerometer-mean-Z	numeric	180	0.00 %	
	timeBodyAccelerometer-std-X	numeric	180	0.00 %	
	timeBodyAccelerometer-std-Y	numeric	180	0.00 %	
	timeBodyAccelerometer-std-Z	numeric	180	0.00 %	
	timeGravityAccelerometer-mean-X	numeric	180	0.00 %	
	timeGravityAccelerometer-mean-Y	numeric	180	0.00 %	
	timeGravityAccelerometer-mean-Z	numeric	180	0.00 %	
	timeGravityAccelerometer-std-X	numeric	180	0.00 %	
	timeGravityAccelerometer-std-Y	numeric	180	0.00 %	
	timeGravityAccelerometer-std-Z	numeric	180	0.00 %	
	timeBodyAccelerometerJerk-mean-X	numeric	180	0.00 %	
	timeBodyAccelerometerJerk-mean-Y	numeric	180	0.00 %	
	timeBodyAccelerometerJerk-mean-Z	numeric	180	0.00 %	
	timeBodyAccelerometerJerk-std-X	numeric	180	0.00 %	
	timeBodyAccelerometerJerk-std-Y	numeric	180	0.00 %	
	timeBodyAccelerometerJerk-std-Z	numeric	180	0.00 %	
	timeBodyGyroscope-mean-X	numeric	180	0.00 %	
	timeBodyGyroscope-mean-Y	numeric	180	0.00 %	
	timeBodyGyroscope-mean-Z	numeric	180	0.00 %	
	timeBodyGyroscope-std-X	numeric	180	0.00 %	
	timeBodyGyroscope-std-Y	numeric	180	0.00 %	
	timeBodyGyroscope-std-Z	numeric	180	0.00 %	
	timeBodyGyroscopeJerk-mean-X	numeric	180	0.00 %	
	timeBodyGyroscopeJerk-mean-Y	numeric	180	0.00 %	
	timeBodyGyroscopeJerk-mean-Z	numeric	180	0.00 %	
	timeBodyGyroscopeJerk-std-X	numeric	180	0.00 %	
	timeBodyGyroscopeJerk-std-Y	numeric	180	0.00 %	
	timeBodyGyroscopeJerk-std-Z	numeric	180	0.00 %	
	timeBodyAccelerometerMagnitude-mean	numeric	180	0.00 %	

Label	Variable	Class	# unique values	Missing	Description
	timeBodyAccelerometerMagnitude-std	numeric	180	0.00 %	
	timeGravityAccelerometerMagnitude-mean	numeric	180	0.00 %	
	timeGravityAccelerometerMagnitude-std	numeric	180	0.00 %	
	timeBodyAccelerometerJerkMagnitude-mean	numeric	180	0.00 %	
	timeBodyAccelerometerJerkMagnitude-std	numeric	180	0.00 %	
	timeBodyGyroscopeMagnitude-mean	numeric	180	0.00 %	
	timeBodyGyroscopeMagnitude-std	numeric	180	0.00 %	
	timeBodyGyroscopeJerkMagnitude-mean	numeric	180	0.00 %	
	timeBodyGyroscopeJerkMagnitude-std	numeric	180	0.00 %	
	frequencyBodyAccelerometer-mean-X	numeric	180	0.00 %	
	frequencyBodyAccelerometer-mean-Y	numeric	180	0.00 %	
	frequencyBodyAccelerometer-mean-Z	numeric	180	0.00 %	
	frequencyBodyAccelerometer-std-X	numeric	180	0.00 %	
	frequencyBodyAccelerometer-std-Y	numeric	180	0.00 %	
	frequencyBodyAccelerometer-std-Z	numeric	180	0.00 %	
	frequencyBodyAccelerometerJerk-mean-X	numeric	180	0.00 %	
	frequencyBodyAccelerometerJerk-mean-Y	numeric	180	0.00 %	
	frequencyBodyAccelerometerJerk-mean-Z	numeric	180	0.00 %	
	frequencyBodyAccelerometerJerk-std-X	numeric	180	0.00 %	
	frequencyBodyAccelerometerJerk-std-Y	numeric	180	0.00 %	
	frequencyBodyAccelerometerJerk-std-Z	numeric	180	0.00 %	
	frequencyBodyGyroscope-mean-X	numeric	180	0.00 %	
	frequencyBodyGyroscope-mean-Y	numeric	180	0.00 %	
	frequencyBodyGyroscope-mean-Z	numeric	180	0.00 %	
	frequencyBodyGyroscope-std-X	numeric	180	0.00 %	
	frequencyBodyGyroscope-std-Y	numeric	180	0.00 %	
	frequencyBodyGyroscope-std-Z	numeric	180	0.00 %	
	frequencyBodyAccelerometerMagnitude-mean	numeric	180	0.00 %	
	frequencyBodyAccelerometerMagnitude-std	numeric	180	0.00 %	
	frequencyBodyAccelerometerJerkMagnitude-mean	numeric	180	0.00 %	
	frequencyBodyAccelerometerJerkMagnitude-std	numeric	180	0.00 %	
	frequencyBodyGyroscopeMagnitude-mean	numeric	180	0.00 %	
	frequencyBodyGyroscopeMagnitude-std	numeric	180	0.00 %	
	frequencyBodyGyroscopeJerkMagnitude-mean	numeric	180	0.00 %	
	frequencyBodyGyroscopeJerkMagnitude-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

Feature	Result
Min. and max.	1; 30
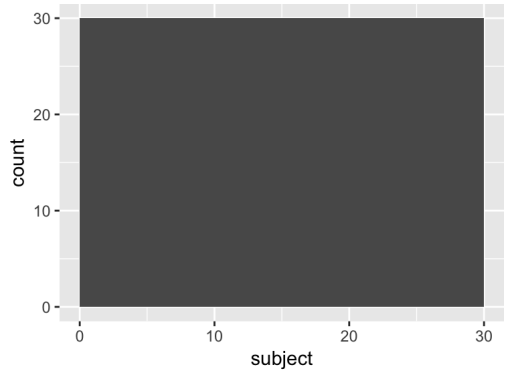
activity

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".

timeBodyAccelerometer-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
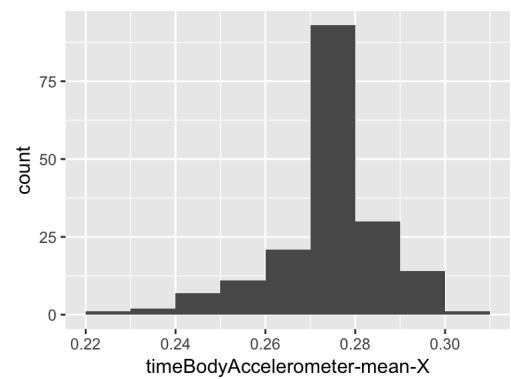
timeBodyAccelerometer-mean-Y

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
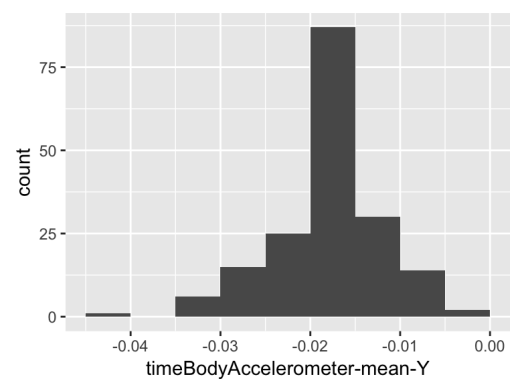
timeBodyAccelerometer-mean-Z

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
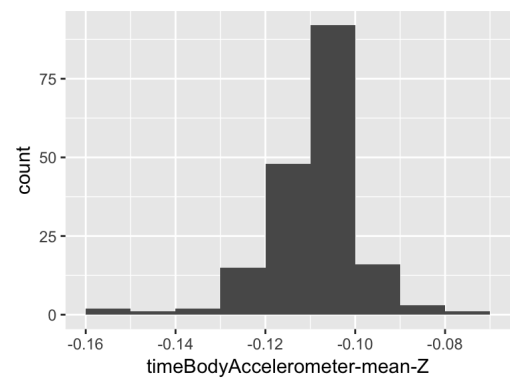
timeBodyAccelerometer-std-X

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
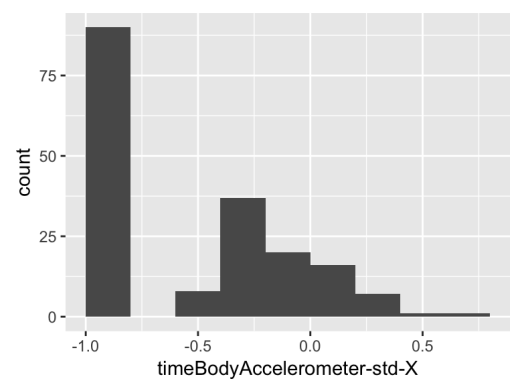
timeBodyAccelerometer-std-Y

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
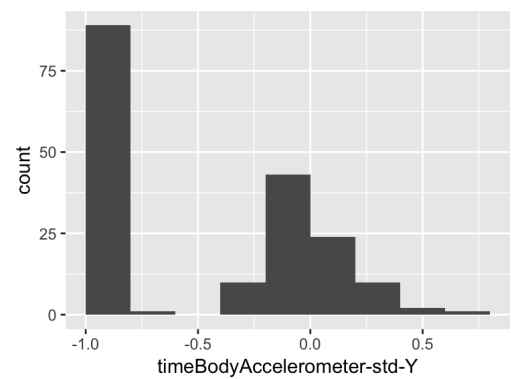
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timeBodyAccelerometer-std-Z

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
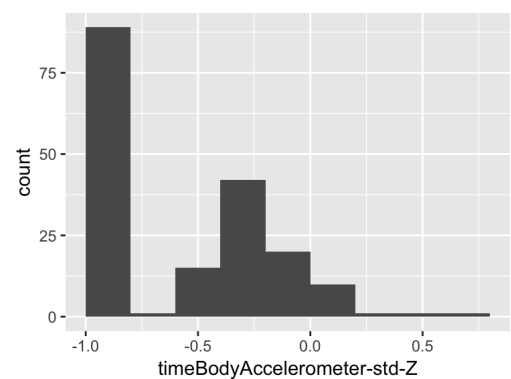
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timeGravityAccelerometer-mean-X

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
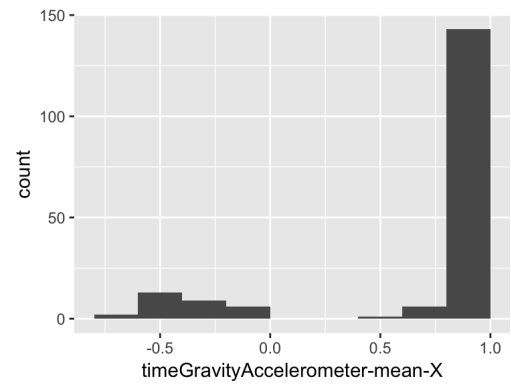
timeGravityAccelerometer-mean-X

timeGravityAccelerometer-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
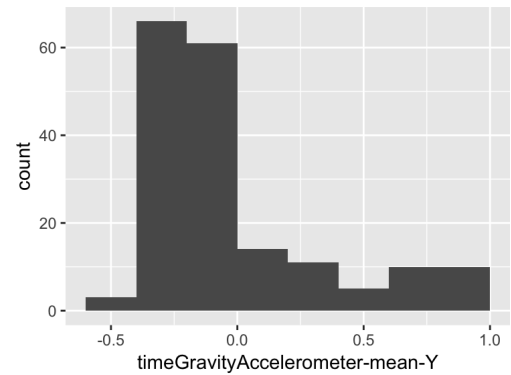
timeGravityAccelerometer-mean-Y

timeGravityAccelerometer-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
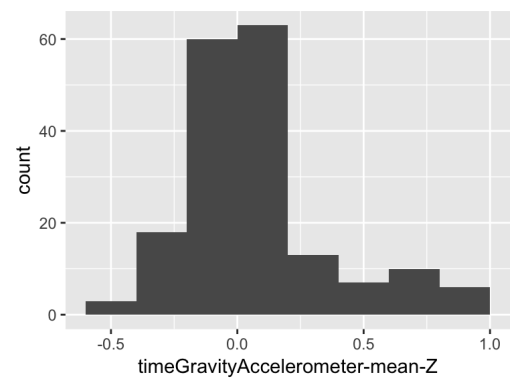
timeGravityAccelerometer-std-X

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
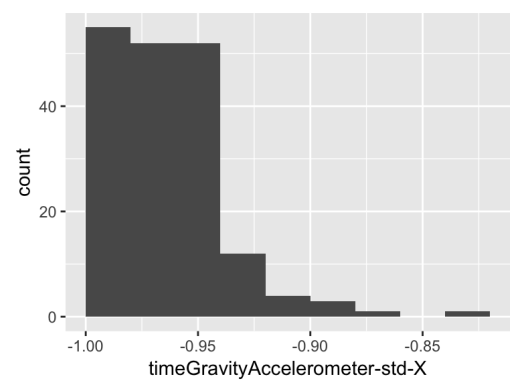
timeGravityAccelerometer-std-Y

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
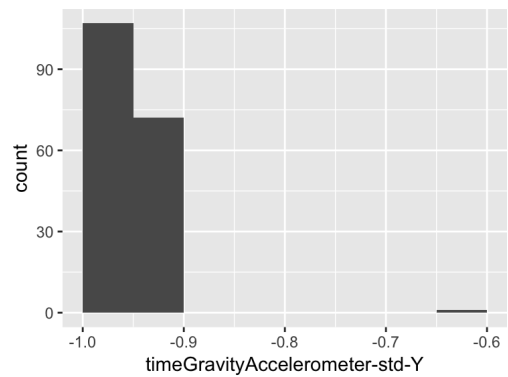
timeGravityAccelerometer-std-Z

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
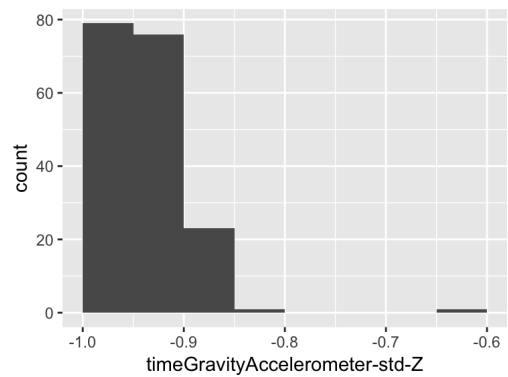
timeBodyAccelerometerJerk-mean-X

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
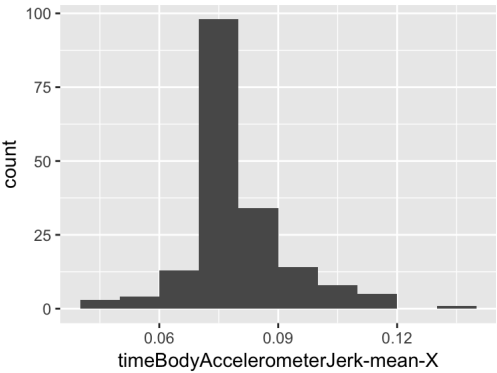
timeBodyAccelerometerJerk-mean-Y

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
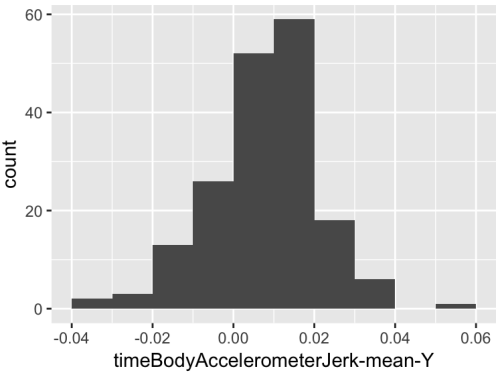
timeBodyAccelerometerJerk-mean-Z

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
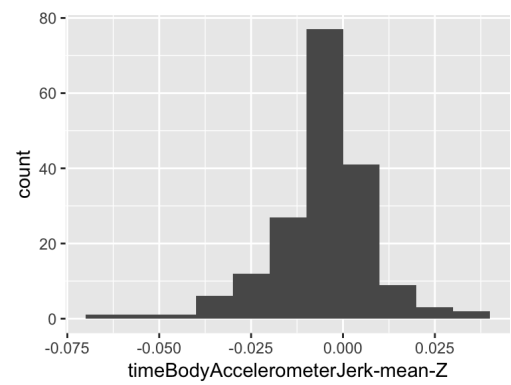
timeBodyAccelerometerJerk-std-X

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
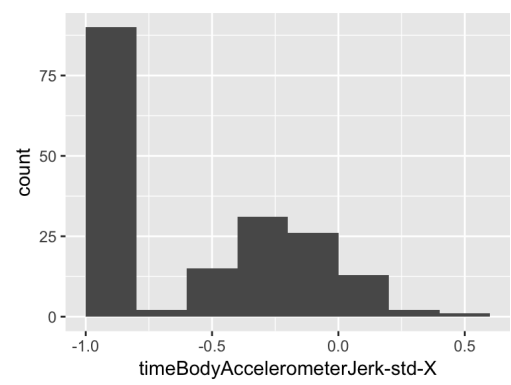
timeBodyAccelerometerJerk-std-Y

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
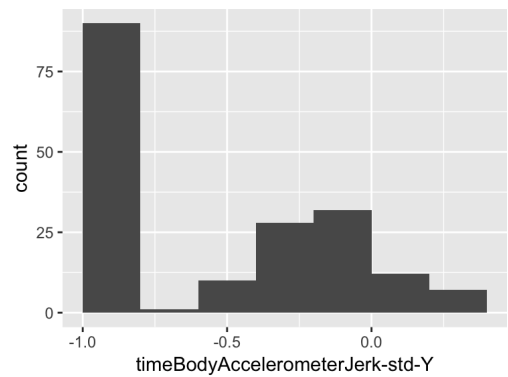
timeBodyAccelerometerJerk-std-Z

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
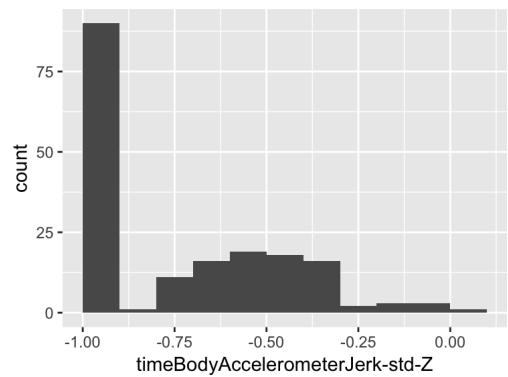
timeBodyGyroscope-mean-X

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
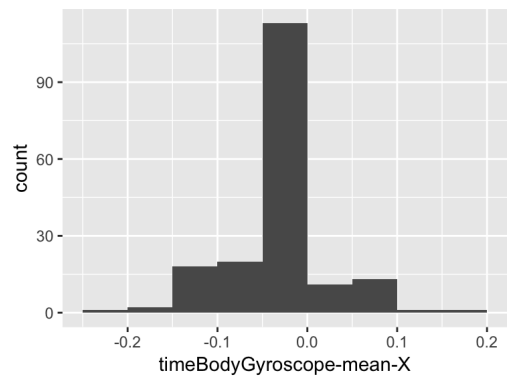
timeBodyGyroscope-mean-Y

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
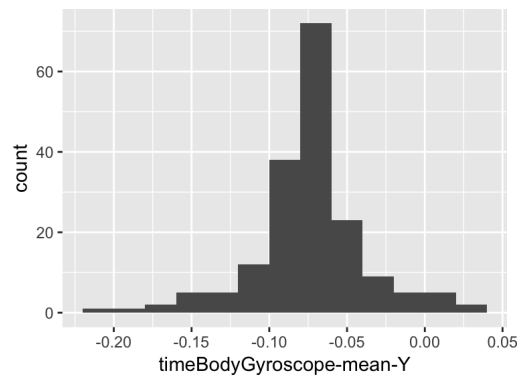
timeBodyGyroscope-mean-Z

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

timeBodyGyroscope-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
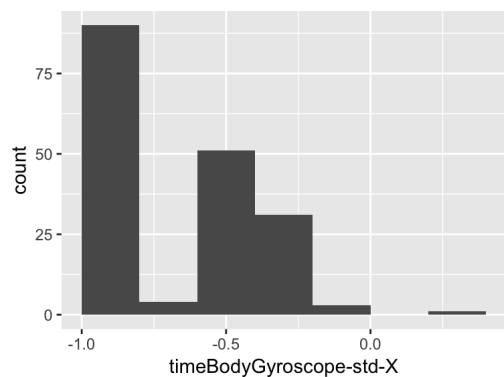
timeBodyGyroscope-std-Y

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
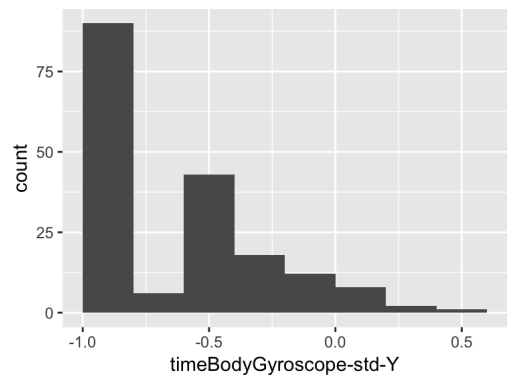
timeBodyGyroscope-std-Z

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
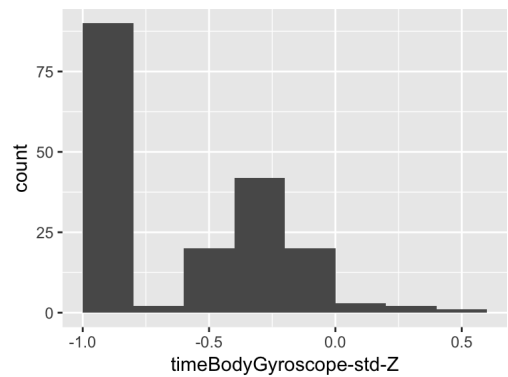
timeBodyGyroscopeJerk-mean-X

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
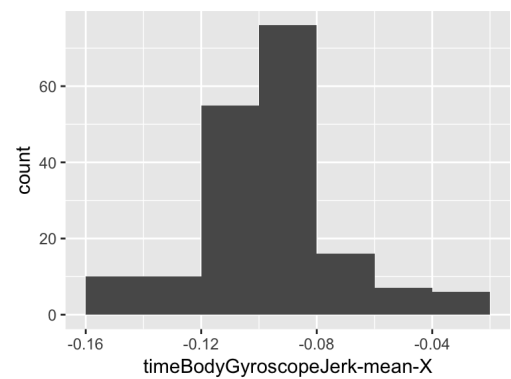
timeBodyGyroscopeJerk-mean-Y

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
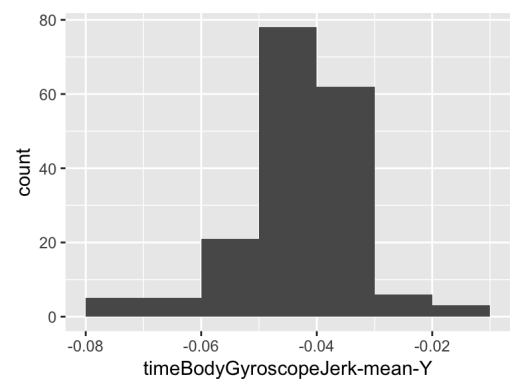
timeBodyGyroscopeJerk-mean-Z

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
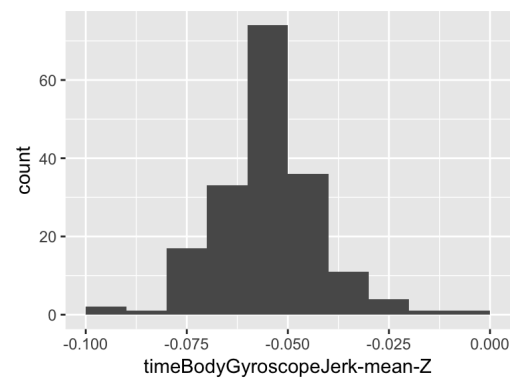
timeBodyGyroscopeJerk-std-X

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
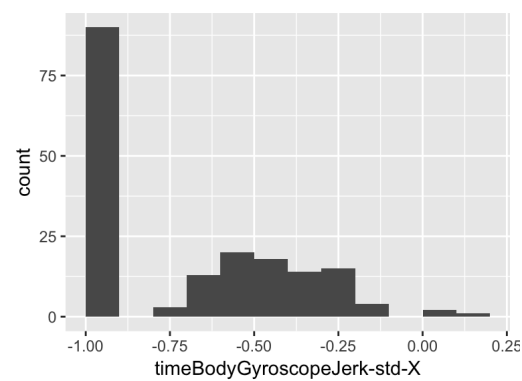
timeBodyGyroscopeJerk-std-Y

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
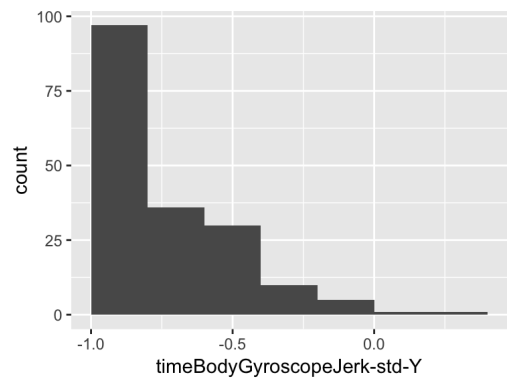
timeBodyGyroscopeJerk-std-Z

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
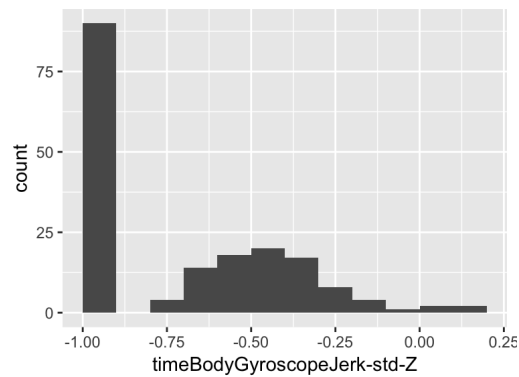
timeBodyAccelerometerMagnitude-mean

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

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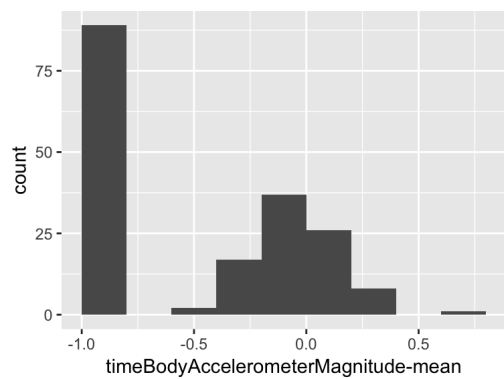
timeBodyAccelerometerMagnitude-std

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

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timeGravityAccelerometerMagnitude-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

timeGravityAccelerometerMagnitude-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

timeBodyAccelerometerJerkMagnitude-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
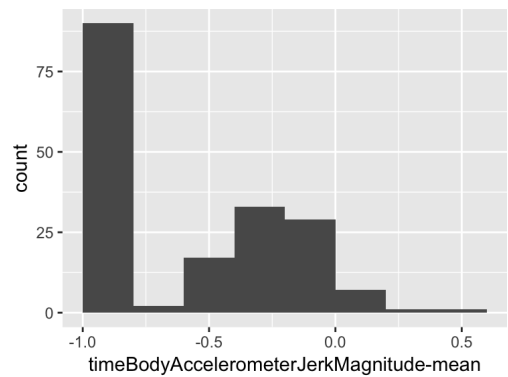
timeBodyAccelerometerJerkMagnitude-std

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
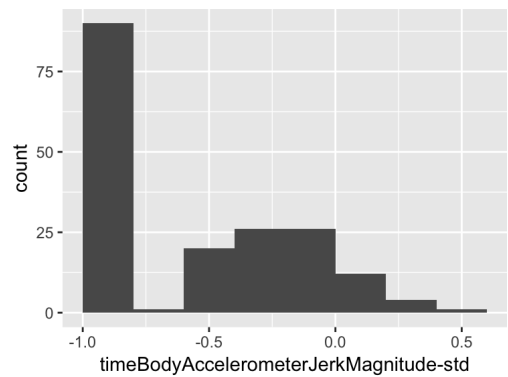
timeBodyGyroscopeMagnitude-mean

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
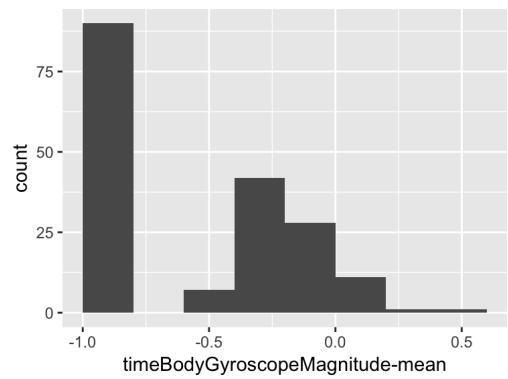
timeBodyGyroscopeMagnitude-std

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
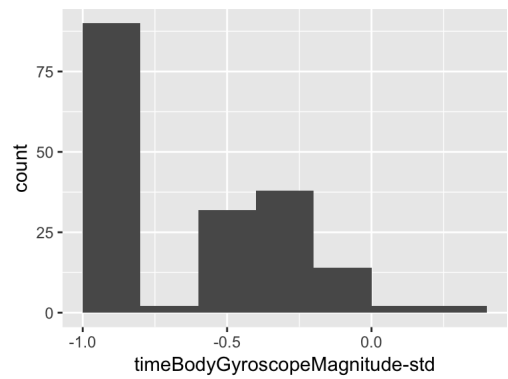
timeBodyGyroscopeJerkMagnitude-mean

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
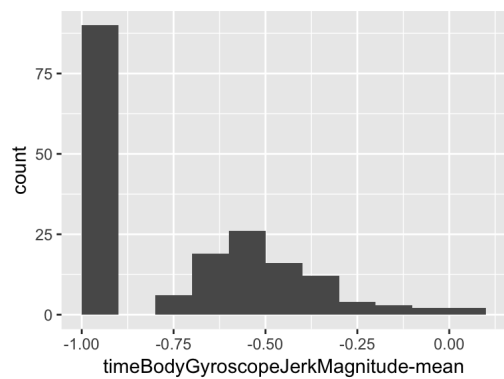
---

timeBodyGyroscopeJerkMagnitude-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
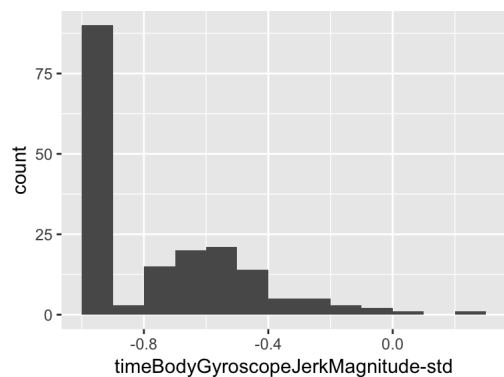
---

frequencyBodyAccelerometer-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
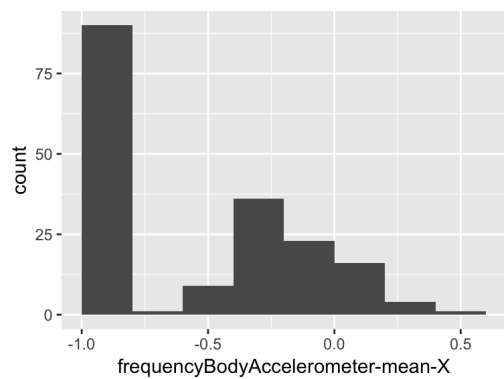
frequencyBodyAccelerometer-mean-Y

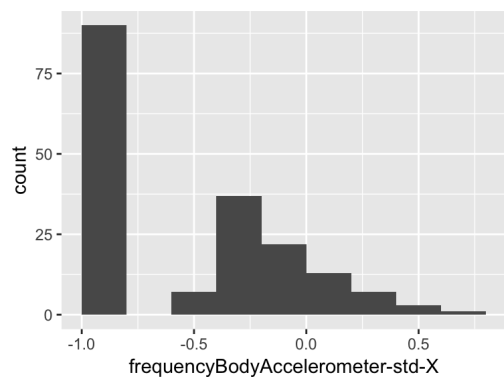| Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	180
Median	-0.59
1st and 3rd quartiles	-0.95; -0.06
Min. and max.	-0.99; 0.52
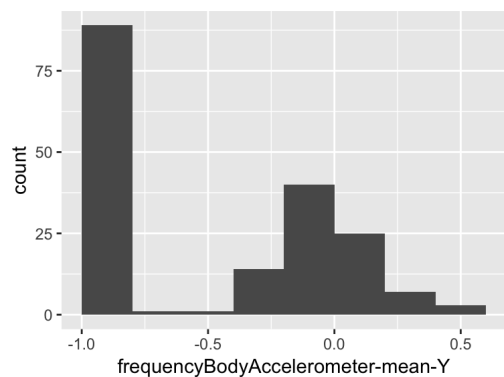
frequencyBodyAccelerometer-mean-Z

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
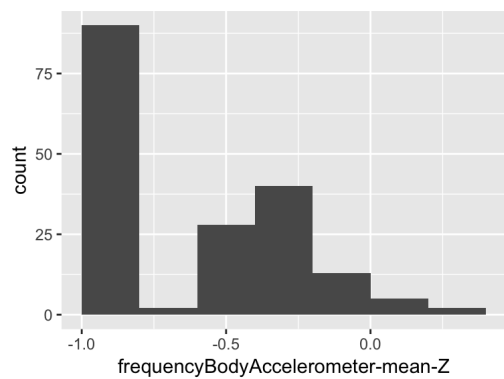
frequencyBodyAccelerometer-std-X

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

frequencyBodyAccelerometer-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
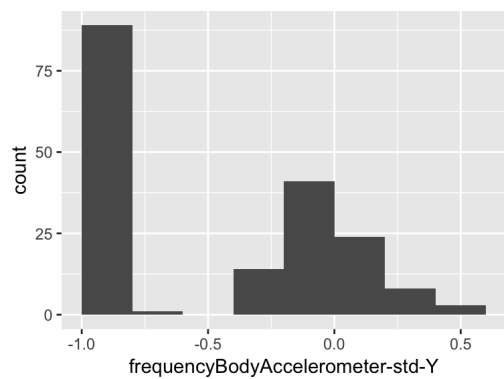
frequencyBodyAccelerometer-std-Z

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
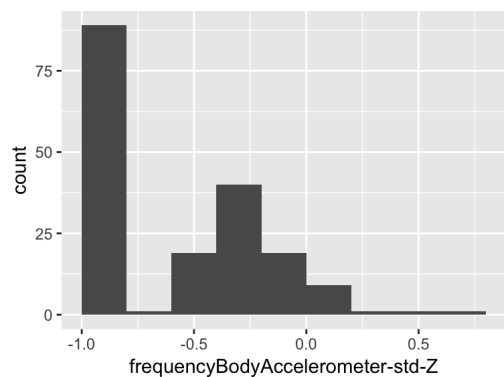
frequencyBodyAccelerometerJerk-mean-X

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
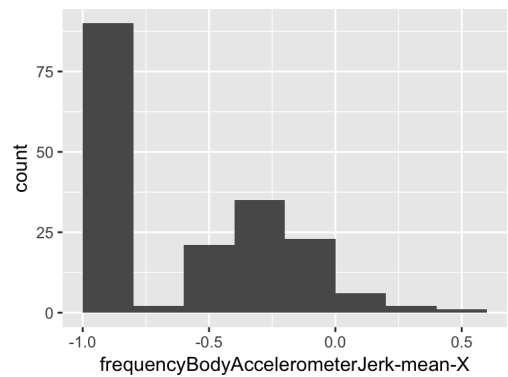
---

frequencyBodyAccelerometerJerk-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
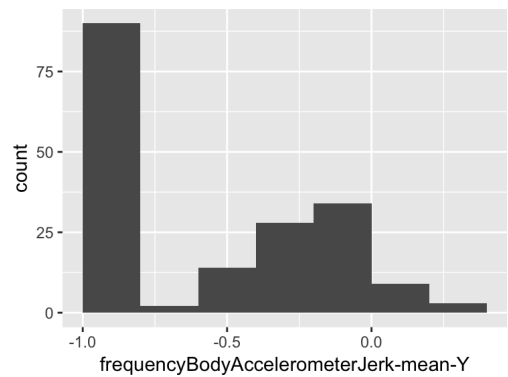
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frequencyBodyAccelerometerJerk-mean-Z

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
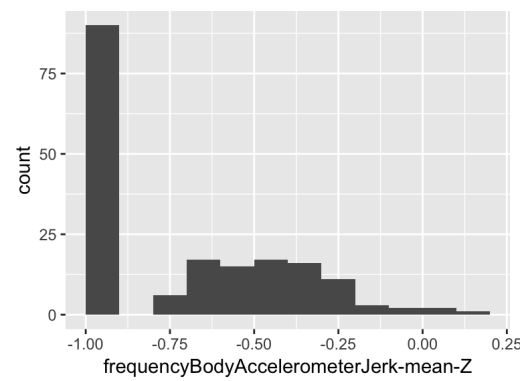
frequencyBodyAccelerometerJerk-std-X

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
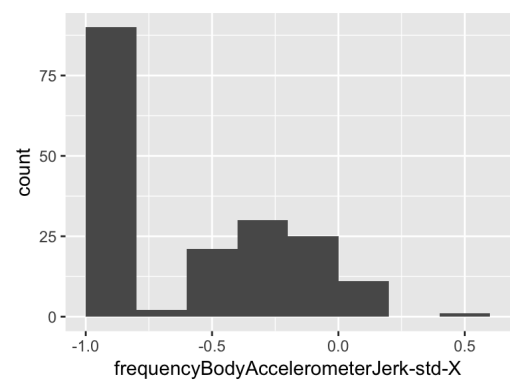
frequencyBodyAccelerometerJerk-std-Y

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
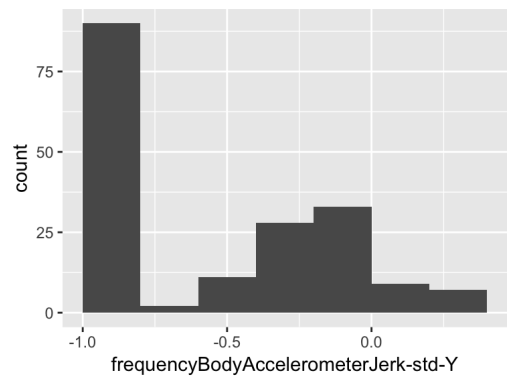
frequencyBodyAccelerometerJerk-std-Z

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
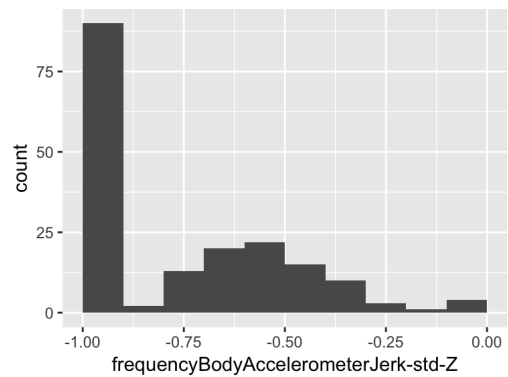
frequencyBodyGyroscope-mean-X

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
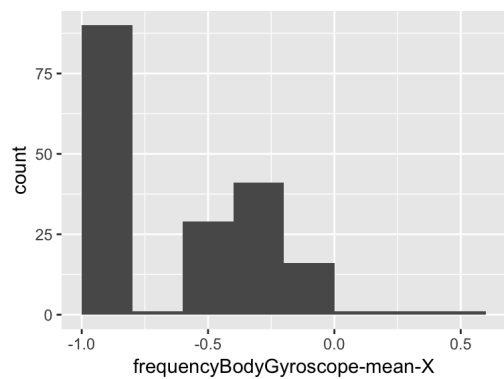
frequencyBodyGyroscope-mean-Y

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
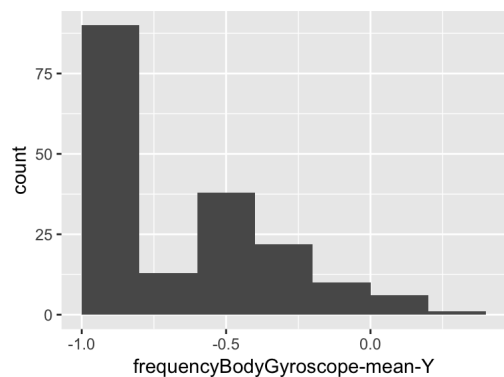
frequencyBodyGyroscope-mean-Z

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
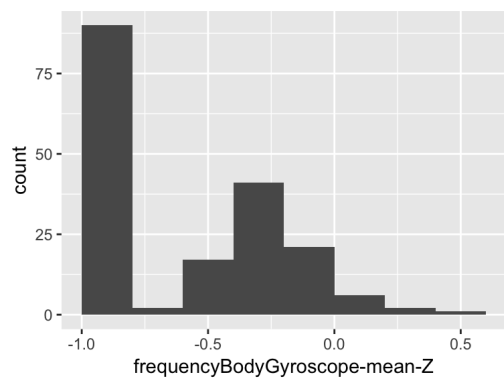
frequencyBodyGyroscope-std-X

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
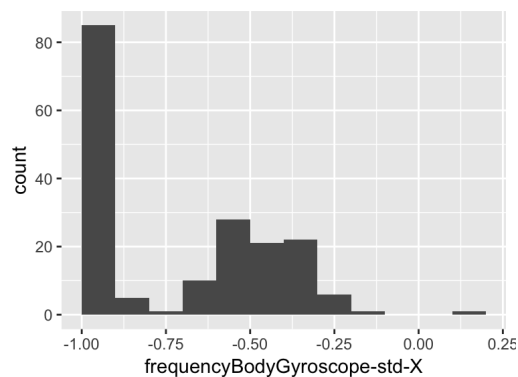
frequencyBodyGyroscope-std-Y

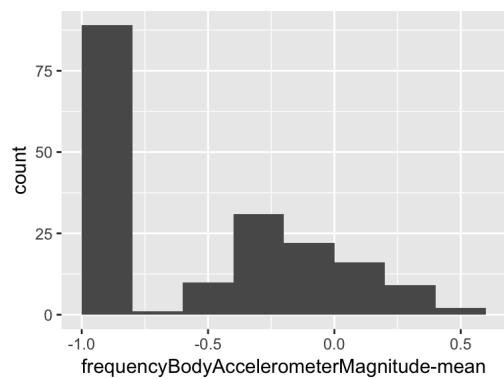| Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	180
Median	-0.8
1st and 3rd quartiles	-0.96; -0.42
Min. and max.	-0.99; 0.65
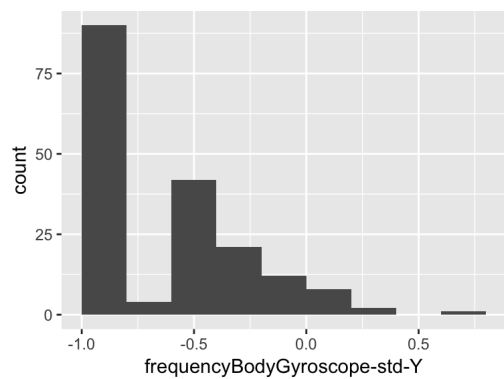
frequencyBodyGyroscope-std-Z

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
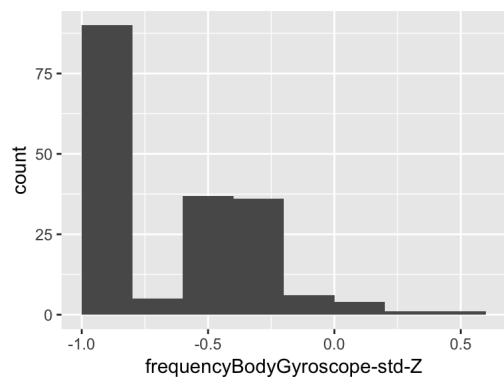
frequencyBodyAccelerometerMagnitude-mean

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

frequencyBodyAccelerometerMagnitude-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
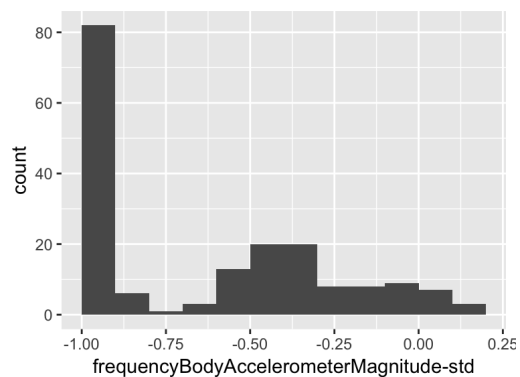
frequencyBodyAccelerometerJerkMagnitude-mean

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
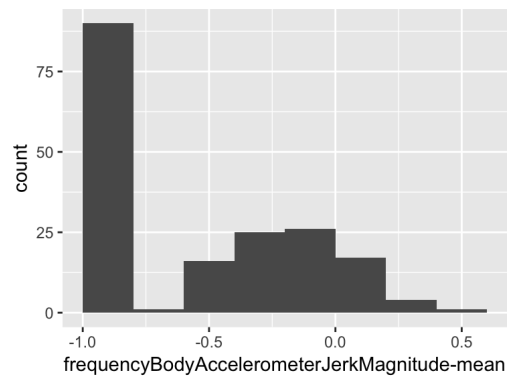
frequencyBodyAccelerometerJerkMagnitude-std

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
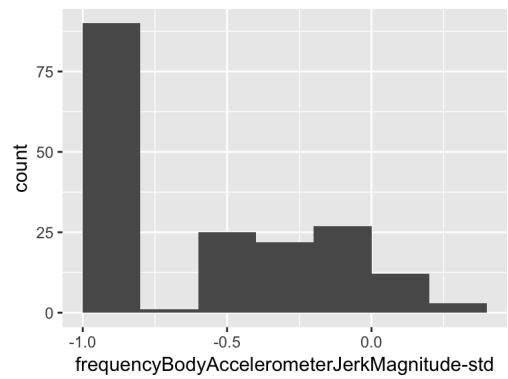
frequencyBodyGyroscopeMagnitude-mean

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
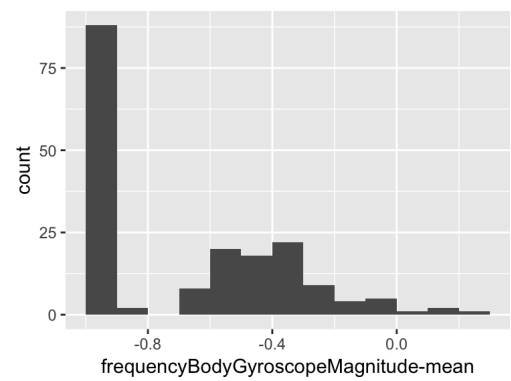
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frequencyBodyGyroscopeMagnitude-std

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
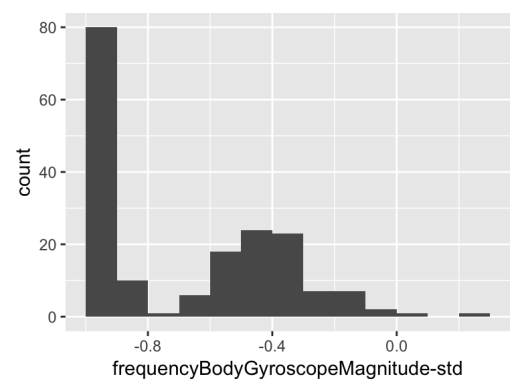
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frequencyBodyGyroscopeJerkMagnitude-mean

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
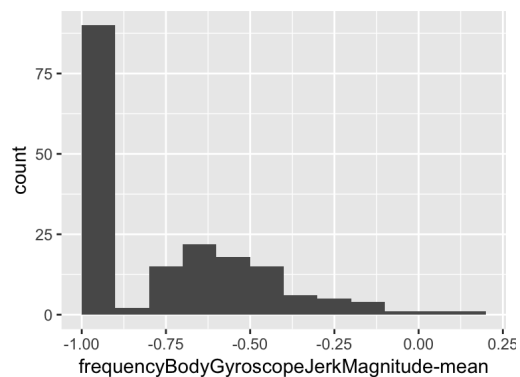
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frequencyBodyGyroscopeJerkMagnitude-std

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
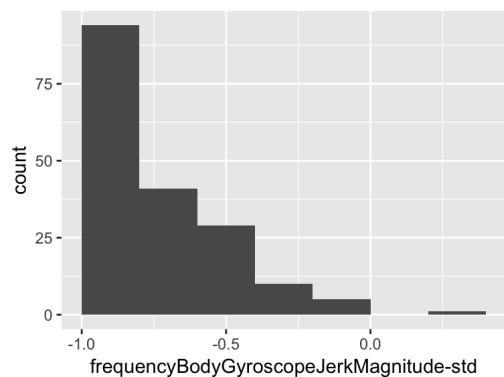
Report generation information:

- Created by Christopher Harris (username: `christopherharris`).

- Report creation time: Sun Mar 03 2019 11:47:56

- Report was run from directory: `/Users/christopherharris/Desktop/R`

- dataMaid v1.2.0 [Pkg: 2018-10-03 from CRAN (R 3.5.0)]

- R version 3.5.2 (2018-12-20).

- Platform: x86_64-apple-darwin15.6.0 (64-bit)(macOS High Sierra 10.13.6).

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