### Codebook

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Su	mmary statistics	1:
frequ_bo	dy_gyro_std_y	1:
D	stribution	1:
Sı	ummary statistics	1:
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55
Set up Code book options
knitr::opts chunk$set(
warning = TRUE, # show warnings during codebook generation
message = TRUE, # show messages during codebook generation
error = TRUE, # do not interrupt codebook generation in case of errors,
  # usually better for debugging
echo = TRUE # show R code
ggplot2::theme_set(ggplot2::theme_bw())
```

### Code book preparation

```
library(codebook)

codebook_data <- rio::import("codebook_source/accellerometer.rds")

# omit the following lines, if your missing values are already properly labelled
codebook_data <- detect_missing(codebook_data,</pre>
```

Create codebook

```
codebook(codebook_data)
```

## No missing values.

### Metadata

Description Dataset name: Accelerometer Standard Deviation and Mean Data

This data set contains the standard deviation and mean of the original data. See the README.txt found in the original data, "sample\_data/getdata\_projectfiles\_UCI\_HAR\_Dataset/UCI\_HAR\_Dataset/UCI\_HAR\_Dataset/README.txt", for more information.

Metadata for search engines

- Spatial Coverage: Online
- Citation: Davide Anguita, Alessandro Ghio, Luca Oneto, Xavier Parra and Jorge L. Reyes-Ortiz. Human Activity Recognition on Smartphones using a Multiclass Hardware-Friendly Support Vector Machine. International Workshop of Ambient Assisted Living (IWAAL 2012). Vitoria-Gasteiz, Spain. Dec 2012
- URL: https://github.com/rodelor97/GettingCleaningDataWeek4Project
- Date published: 2021-01-23
- Creator:

name	value
1	Robert de Lorimier

#Variables

subject\_id

Subject id

**Distribution** 0 missing values.

X
subject_id
activity_name
timeof_body_accel_mean_x
timeof_body_accel_mean_y
_timeof_body_accel_mean_z
_timeof_body_accel_std_x
timeof_body_accel_std_y
timeof_body_accel_std_z
timeof_gravity_accel_mean_x
timeof_gravity_accel_mean_y
timeof_gravity_accel_mean_z
timeof_gravity_accel_std_x
timeof gravity accel std y
timeof_gravity_accel_std_z
timeof_body_accel_jerk_mean_x
timeof body accel jerk mean y
timeof body accel jerk mean z
timeof_body_accel_jerk_std_x
timeof_body_accel_jerk_std_y
timeof_body_gyro_mean_x
timeof_body_gyro_mean_y
timeof_body_gyro_mean_z
timeof_body_gyro_std_x
timeof_body_gyro_std_y
timeof_body_gyro_std_z
timeof_body_gyro_jerk_mean_x
timeof_body_gyro_jerk_mean_y
timeof_body_gyro_jerk_mean_z
_timeof_body_gyro_jerk_std_x
timeof_body_gyro_jerk_std_y
$time of \_body \_gyro \_jerk \_std \_z$
timeof_body_accel_magn_mean
timeof_body_accel_magn_std
timeof_gravity_accel_magn_mean
timeof_gravity_accel_magn_std
timeof_body_accel_jerk_magn_mean
timeof_body_accel_jerk_magn_std
timeof_body_gyro_magn_mean
timeof_body_gyro_magn_std
timeof_body_gyro_jerk_magn_mean
timeof_body_gyro_jerk_magn_std
frequ_body_accel_mean_x
frequ_body_accel_mean_y
frequ_body_accel_std_y
frequ_body_accel_std_z
frequ_body_accel_mean_freq_x
frequ_body_accel_mean_freq_y
frequ_body_accel_mean_freq_z
frequ_body_accel_jerk_mean_x
frequ_body_accel_jerk_mean_y
frequ_body_accel_jerk_mmean_z
frequ_body_accel_jerk_std_x
frequ_body_accel_jerk_std_y
frequ_body_accel_jerk_std_z
C 1 1 1 1 C

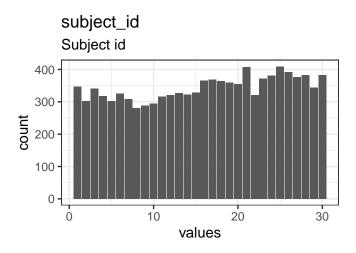


Figure 1: Distribution of values for subject\_id

name	label data_type n_missir		n_missing	$complete\_rate$	min	median	max	mean sc		hist
$\overline{\mathrm{subject\_id}}$	Subject id	numeric	0	0 1		17	30	16.14642	8.679067	

### ${\bf activity\_name}$

Activity name

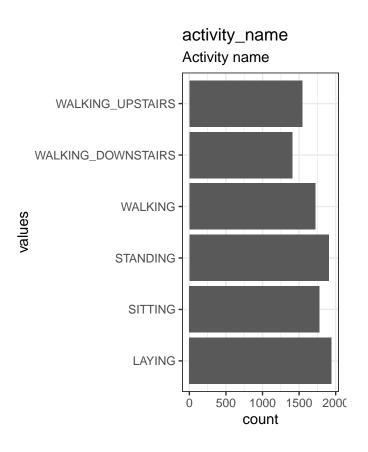


Figure 2: Distribution of values for activity\_name

**Distribution** 0 missing values.

### **Summary statistics**

name	label	$data\_type$	$n_{missing}$	$complete\_rate$	$n$ _unique	empty	$\min$	max	whitespace
activity_name	Activity name	character	0	1	6	0	6	18	0

### $time of\_body\_accel\_mean\_x$

Time domains signal (50Hz const rate), body acceleration mean X axis,

**Distribution** 0 missing values.

### timeof\_body\_accel\_mean\_x

Time domains signal (50Hz const rate), body acceleration mean X axis,

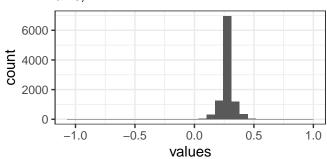


Figure 3: Distribution of values for timeof\_body\_accel\_mean\_x

### **Summary statistics**

name	label	data_tynpemissin	ngnplet	e <u>m</u> ia	atemedi	ama	x mean	sd	hist
timeof_body_ <b>Timed</b> _domainsxsignal (50Hz const rate), body acceleration mean X axis,		numeric 0	1	-1	0.28	1	0.27434	<b>(7.8</b> 676	6278

### timeof\_body\_accel\_mean\_y

Time domains signal (50Hz const rate), body acceleration mean Y axis,

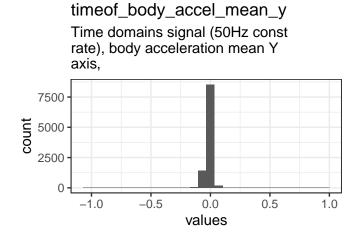


Figure 4: Distribution of values for timeof\_body\_accel\_mean\_y

**Distribution** 0 missing values.

name	label	data_tmp	data_tupemissingnplete_miantemediamax mean							
timeof_b	ody <u>Tanceldomains</u> signal (50Hz const rate), body acceleration mean Y axis,	numeric	0	1	-1	0.01	1 17	0.01774	0.037 135	1282

### timeof\_body\_accel\_mean\_z

Time domains signal (50Hz const rate), body acceleration mean Z axis,

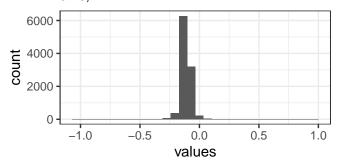


Figure 5: Distribution of values for timeof\_body\_accel\_mean\_z

name	label	data_tmj	omiss <b>ing</b>	plet	e <u>m</u> ia	ntemedi	ia <b>m</b> a:	x mean	$\operatorname{sd}$	hist
timeof_body	Timed domainsz signal (50Hz const rate), body acceleration mean Z axis,	numeric	0	1	-1	0.11	1	0.1089	0.053 025	0331

### $timeof\_body\_accel\_std\_x$

Time domains signal (50Hz const rate), body acceleration standard deviation X axis,

### timeof\_body\_accel\_std\_x Time domains signal (50Hz const

rate), body acceleration standard deviation X axis,

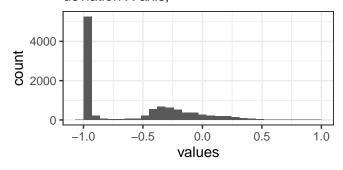


Figure 6: Distribution of values for timeof\_body\_accel\_std\_x

**Distribution** 0 missing values.

### **Summary statistics**

name	label	data_twp	emis	stingnple	t <b>e</b> niı	natuned	iama	x mean	$\operatorname{sd}$	hist
timeof	body <u>Tincedostain</u> xsignal (50Hz const rate), body acceleration standard deviation X axis,	numeric 14	0	1	-1	- 0.94	1	0.6077	0.4380 7838	6938

time of body appl and a

### timeof\_body\_accel\_std\_y

Time domains signal (50Hz const rate), body acceleration standard deviation Y axis,

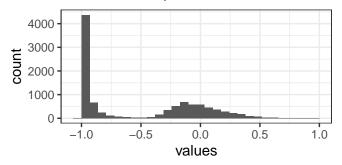


Figure 7: Distribution of values for timeof\_body\_accel\_std\_y

name label	${\rm data\_ty\!$	hist
timeof_body <u>Timeedos</u> stainsysignal (50Hz constrate), body acceleration standard deviation Y axis,	numeric 0 1 -1 - 1 - 0.5002 0.84 0.5101914	2398

### $timeof\_body\_accel\_std\_z$

Time domains signal (50Hz const rate), body acceleration standard deviation Z axis,

### timeof\_body\_accel\_std\_z

Time domains signal (50Hz const rate), body acceleration standard deviation Z axis,

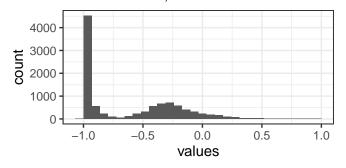


Figure 8: Distribution of values for timeof\_body\_accel\_std\_z

**Distribution** 0 missing values.

### **Summary statistics**

name lab	el	data_tmp	emissing	nple	te <u>ni</u> r	a <b>tæ</b> edi	amax me	an	$\operatorname{sd}$	hist
rate	ncedostalnsz signal (50Hz conste), body acceleration standard viation Z axis,	numeric 15	0	1	-1	- 0.85	_		0.403 0643	6566

time of amounts and many

### timeof\_gravity\_accel\_mean\_x

Time domains signal (50Hz const rate), gravity acceleration mean X axis,

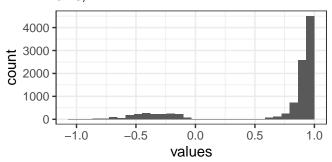


Figure 9: Distribution of values for timeof\_gravity\_accel\_mean\_x

name	label	data_tmj	omissing	pplet	e <u>m</u> ia	ntemedi	amaz	x mean	$\operatorname{sd}$	hist
timeof_gravi	ty <u>Timeedommeins_sig</u> nal (50Hz const rate), gravity acceleration mean X axis,	numeric	0	1	-1	0.92	1	0.66922	<b>062</b> 154	1858

### timeof\_gravity\_accel\_mean\_y

Time domains signal (50Hz const rate), gravity acceleration mean Y axis,

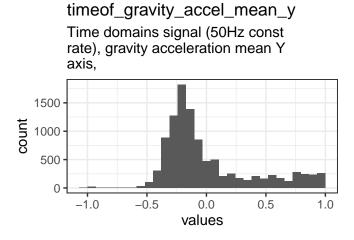


Figure 10: Distribution of values for timeof\_gravity\_accel\_mean\_y

**Distribution** 0 missing values.

### **Summary statistics**

name	label	data_tyn	emiss	<b>ing</b> nple	te <u>m</u> ia	ntemed	iama	x mean	$\operatorname{sd}$	hist
timeof_gravi	ty <u>Timeedommeins_sig</u> nal (50Hz const rate), gravity acceleration mean Y axis,	numeric 16	0	1	-1	0.14	1	0.0040	<b>3&amp;8</b> 78	9092

time of marrity and many

### timeof\_gravity\_accel\_mean\_z

Time domains signal (50Hz const rate), gravity acceleration mean Z axis,

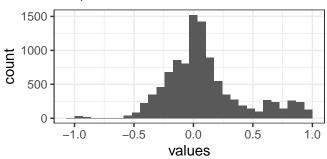


Figure 11: Distribution of values for timeof\_gravity\_accel\_mean\_z

name	label	data_tmj	omiss <b>ing</b>	pplet	e <u>m</u> ia	ntemediama	x mean	$\operatorname{sd}$	hist
timeof_gravi	ty <u>Timeedommeins_signal</u> (50Hz const rate), gravity acceleration mean Z axis,	numeric	0	1	-1	0.037 1	0.09215	<b>@9</b> 342	2702

### $time of \_gravity \_accel \_std \_x$

Time domains signal (50Hz const rate), gravity acceleration standard deviation X axis,

-1.0

## timeof\_gravity\_accel\_std\_x Time domains signal (50Hz const rate), gravity acceleration standard deviation X axis,

Figure 12: Distribution of values for timeof\_gravity\_accel\_std\_x

0.0

values

0.5

1.0

-0.5

### **Distribution** 0 missing values.

### **Summary statistics**

name	label	$data\_ty\!_{\underline{p}\underline{e}missing} plet\underline{e}\underline{n}\underline{i}rate$ ediamax mean								hist
timeof	gravity ime or stins signal (50Hz const rate), gravity acceleration standard deviation X axis,	numeric 17	0	1	-1	- 0.98	1	- 0.9652	0.077′ 2071	7148

time of approising against de-

### timeof\_gravity\_accel\_std\_y

Time domains signal (50Hz const rate), gravity acceleration standard deviation Y axis,

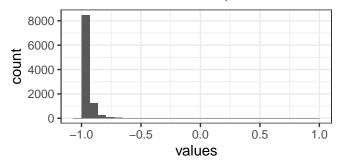


Figure 13: Distribution of values for timeof\_gravity\_accel\_std\_y

name	label	data_tyı	${\rm data\_typemissing} pleteniratee {\rm diamax\ mean}$							
timeof_grav	vity in embedding vignal (50Hz const rate), gravity acceleration standard deviation Y axis,	numeric	0	1	-1	0.98		- ).9544	0.085 108	2866

### $time of\_gravity\_accel\_std\_z$

Time domains signal (50Hz const rate), gravity acceleration standard deviation Z axis,

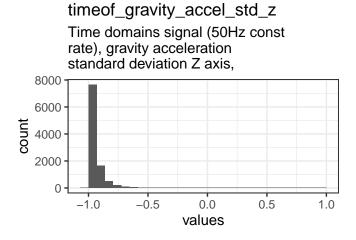


Figure 14: Distribution of values for timeof\_gravity\_accel\_std\_z

### **Distribution** 0 missing values.

### **Summary statistics**

name	label	${\rm data\_ty\!.pemissing}{\rm nplete}\underline{{\rm mirate}{\rm rediamax}\ {\rm mean}$							$\operatorname{sd}$	hist	
timeof_grav	rit <u>Finaccoonstins</u> signal (50Hz constrate), gravity acceleration standard deviation Z axis,	numeric 18	0	1		-1	- 0.97		- .9389	0.101 901	5548

time of body and ink many

### timeof\_body\_accel\_jerk\_mean\_x

Time domains signal (50Hz const rate), body acceleration jerk mean X axis,

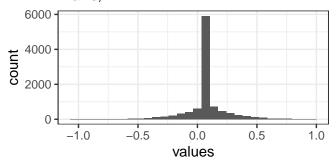


Figure 15: Distribution of values for timeof\_body\_accel\_jerk\_mean\_x

name	label	data_tyn	omissing	pplet	e <u>m</u> ia	ntemediama	x mean	$\operatorname{sd}$	hist
timeof_body_	aftime jeoknaimsasignal (50Hz const rate), body acceleration jerk mean X axis,	numeric	0	1	-1	0.076 1	0.07893	<b>381</b> 761	1125

### timeof\_body\_accel\_jerk\_mean\_y

Time domains signal (50Hz const rate), body acceleration jerk mean Y axis,

### timeof\_body\_accel\_jerk\_mean\_y Time domains signal (50Hz const rate), body acceleration jerk mean Y axis,

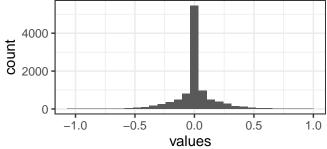


Figure 16: Distribution of values for timeof\_body\_accel\_jerk\_mean\_y

### **Distribution** 0 missing values.

### **Summary statistics**

name	label	data_twpen	nissingnp	let	e <u>m</u> nian	temediama	x mean	$\operatorname{sd}$	hist
timeof_body_	a <b>Triele jeoknaims</b> asignal (50Hz const rate), body acceleration jerk mean Y axis,	numeric 0 19	)	1	-1	0.011 1	0.00794	<b>181</b> 645	5184

time of body and inly many

### timeof\_body\_accel\_jerk\_mean\_z

Time domains signal (50Hz const rate), body acceleration jerk mean Z axis,

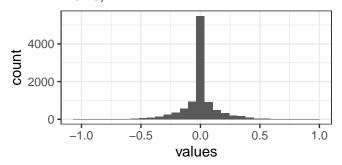


Figure 17: Distribution of values for timeof\_body\_accel\_jerk\_mean\_z

name	label	${\rm data\_typ\_emissing}{\rm plete\_mintemediamax\ mean}$								hist
timeof_body_	addiele jeoknaimsasignal (50Hz const rate), body acceleration jerk mean Z axis,	numeric	0	1	-1	0.00	1 012	0.0046	0.155 6747	979

### $timeof\_body\_accel\_jerk\_std\_x$

Time domains signal (50Hz const rate), body acceleration jerk standard deviation X axis,

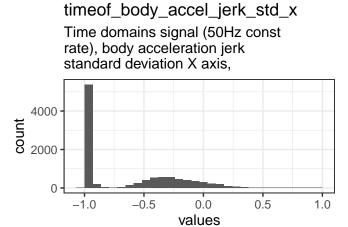


Figure 18: Distribution of values for timeof\_body\_accel\_jerk\_std\_x

**Distribution** 0 missing values.

### **Summary statistics**

name	label	data_tyn	omiss <b>in</b>	gnple	et <b>e</b> n:	i <b>ran</b> edi	amax	mean	$\operatorname{sd}$	hist
timeof_body	Timel denkaintsdeignal (50Hz constrate), body acceleration jerk standard deviation X axis,	numeric 20	0	1	- 1	- 0.95	1	- 0.6397	0.408 '81	7118

time of body applicated a

### timeof\_body\_accel\_jerk\_std\_y

Time domains signal (50Hz const rate), body acceleration jerk standard deviation Y axis,

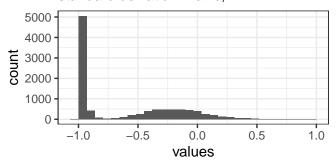


Figure 19: Distribution of values for timeof\_body\_accel\_jerk\_std\_y

name	label	data_tyn	omissin	gnple	et <b>e</b> ni	i <b>ran</b> edi	amax	mean	$\operatorname{sd}$	hist
timeof_body	Timed donkaintdsignal (50Hz const rate), body acceleration jerk standard deviation Y axis,	numeric	0	1	1	0.93	_	- 0.6079	0.432 716	8845

### $timeof\_body\_accel\_jerk\_std\_z$

Time domains signal (50Hz const rate), body acceleration jerk standard deviation Z axis,

### timeof\_body\_accel\_jerk\_std\_z Time domains signal (50Hz const rate), body acceleration jerk standard deviation Z axis,

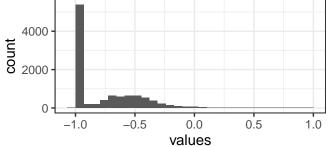


Figure 20: Distribution of values for timeof\_body\_accel\_jerk\_std\_z

### **Distribution** 0 missing values.

### **Summary statistics**

name	label	data_tyn	omissinį	nple	et <b>e</b> ni	i <b>ran</b> edi	ama	xmean	$\operatorname{sd}$	hist
timeof_body	Timel denkainsdsignal (50Hz constrate), body acceleration jerk standard deviation Z axis,	numeric 21	0	1	- 1	- 0.95	1	0.7628	0.277 3202	9014

times of body arms mann .

### timeof\_body\_gyro\_mean\_x

Time domains signal (50Hz const rate), body gyroscope 3-axial raw signal mean X axis,

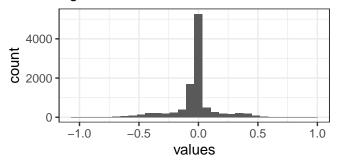


Figure 21: Distribution of values for timeof\_body\_gyro\_mean\_x

name	label	${\rm data\_typemissing} pleten \underline{{\rm irate}} {\rm ediamax} \ {\rm mean}$								hist
timeof_bo	ody <u>Tigyerolomeins signal (50Hz constate)</u> , body gyroscope 3-axial raw signal mean X axis,	numeric	0	1	-1	0.02	1 28	0.0309	0.183 9825	1861

### $time of\_body\_gyro\_mean\_y$

Time domains signal (50Hz const rate), body gyroscope 3-axial raw signal mean Y axis,

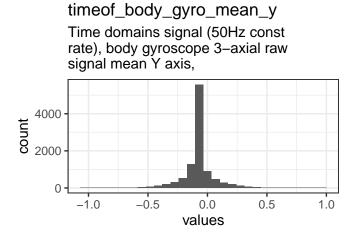


Figure 22: Distribution of values for timeof\_body\_gyro\_mean\_y

**Distribution** 0 missing values.

### **Summary statistics**

name	label	data_tynp	omis	stingnple	et <b>e</b> niı	natue	diama	x mean	$\operatorname{sd}$	hist
timeof_bo	dy <u>Tigyerolo</u> meims_signal (50Hz const rate), body gyroscope 3-axial raw signal mean Y axis,	numeric 22	0	1	-1	0.0	1 75	0.0747	0.134 7195	3171

time of body grown mann

### timeof\_body\_gyro\_mean\_z

Time domains signal (50Hz const rate), body gyroscope 3-axial raw signal mean Z axis,

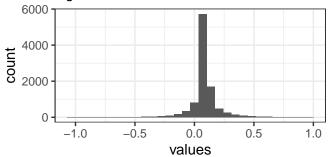


Figure 23: Distribution of values for timeof\_body\_gyro\_mean\_z

name	label	data_tmj	<u>ə</u> miss	<b>cing</b> nple	te <u>ni</u> ı	rat <b>re</b> ediama	ax mean	$\operatorname{sd}$	hist
timeof_b	ody <u>Tigyerolomeims signal</u> (50Hz const rate), body gyroscope 3-axial raw signal mean Z axis,	numeric	0	1	-1	0.086 1	0.08835	<b>67.3</b> 348	8753

### $timeof\_body\_gyro\_std\_x$

Time domains signal (50Hz const rate), body gyroscope 3-axial raw signal standard deviation X axis,

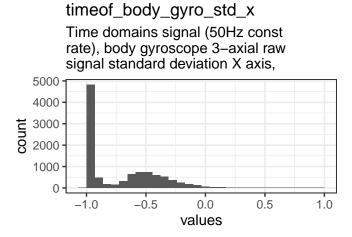


Figure 24: Distribution of values for timeof\_body\_gyro\_std\_x

### **Distribution** 0 missing values.

### **Summary statistics**

name	label	data_tynp	emiss	<b>ing</b> nple	et <b>e</b> n:	inanted	iama	xmean	$\operatorname{sd}$	hist
timeof_bo	od <u>Fingyrlonsadhs</u> xsignal (50Hz const rate), body gyroscope 3-axial raw signal standard deviation X axis,	numeric 23	0	1	- 1	- 0.9	1	0.7211	0.301 1926	0271

times of body same and re

### timeof\_body\_gyro\_std\_y

Time domains signal (50Hz const rate), body gyroscope 3-axial raw signal standard deviation Y axis,

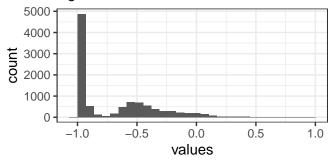


Figure 25: Distribution of values for timeof\_body\_gyro\_std\_y

name	label	data_tyn	<u>p</u> emiss	<b>ċng</b> nple	et <b>e</b> n:	i <b>nane</b> di	iama	xmean	$\operatorname{sd}$	hist
timeof_b	od <u>yingyrlonstidnsy</u> signal (50Hz const rate), body gyroscope 3-axial raw signal standard deviation Y axis,	numeric	0	1		- 0.91	1	0.6826	0.356 6535	8845

### $timeof\_body\_gyro\_std\_z$

Time domains signal (50Hz const rate), body gyroscope 3-axial raw signal standard deviation Z axis,

timeof\_body\_gyro\_std\_z

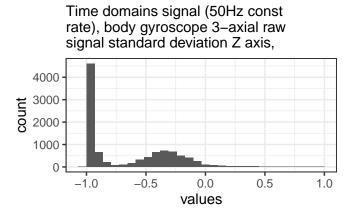


Figure 26: Distribution of values for timeof\_body\_gyro\_std\_z

### **Distribution** 0 missing values.

### **Summary statistics**

name	label	data_twp	mis	s <b>ing</b> nple	et <b>e</b> n	i <b>rane</b> di	ama	axmean	$\operatorname{sd}$	hist
timeof	_bod <u>Fingyrbonstihs</u> zignal (50Hz const rate), body gyroscope 3-axial raw signal standard deviation Z axis,	numeric 24	0	1	1	0.88	1	0.6536	0.3726 6657	6061

time of body myne ionly mann w

### timeof\_body\_gyro\_jerk\_mean\_x

Time domains signal (50Hz const rate), body gyroscope 3-axial raw signal jerk mean X axis,

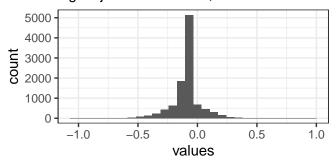


Figure 27: Distribution of values for timeof\_body\_gyro\_jerk\_mean\_x

name	label	data_tmj	omissin	gnple	et <b>e</b> ni	inanted	iama	xmean	$\operatorname{sd}$	hist
timeof_body	Fymce denkaimsesignal (50Hz const rate), body gyroscope 3-axial raw signal jerk mean X axis,	numeric	0	1	1	- 0.09	8	0.0967	0.128 7093	8135

### $time of\_body\_gyro\_jerk\_mean\_y$

Time domains signal (50Hz const rate), body gyroscope 3-axial raw signal jerk mean Y axis,

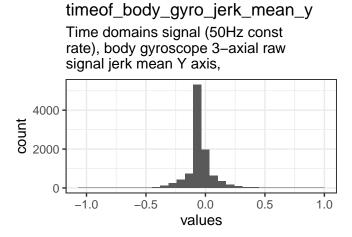


Figure 28: Distribution of values for timeof\_body\_gyro\_jerk\_mean\_y

### **Distribution** 0 missing values.

### **Summary statistics**

name	label	data_tyn	omiss <b>in</b>	gnple	et <b>e</b> ni	inanced	iamaz	xmean	$\operatorname{sd}$	hist
timeof_body	Tyme denkaime signal (50Hz constrate), body gyroscope 3-axial raw signal jerk mean Y axis,	numeric 25	0	1	- 1	0.04		0.0423	0.114 3181	4092

time of body grown lank mann s

### timeof\_body\_gyro\_jerk\_mean\_z

Time domains signal (50Hz const rate), body gyroscope 3-axial raw signal jerk mean Z axis,

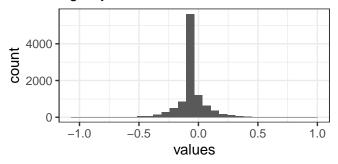


Figure 29: Distribution of values for timeof\_body\_gyro\_jerk\_mean\_z

name	label	data_tyn	<u>e</u> miss	<b>ing</b> nple	et <b>e</b> ni	naned	iama	xmean	$\operatorname{sd}$	hist
timeof_body	y <b>Zýme denkaimes</b> ign <b>a</b> l (50Hz constrate), body gyroscope 3-axial raw signal jerk mean Z axis,	numeric	0	1	- 1	0.05	_	0.0548	0.128 3303	8956

### $timeof\_body\_gyro\_jerk\_std\_x$

Time domains signal (50Hz const rate), body gyroscope 3-axial raw signal jerk standard deviation X axis,

### timeof\_body\_gyro\_jerk\_std\_x

Time domains signal (50Hz const rate), body gyroscope 3–axial raw signal jerk standard deviation X axis.

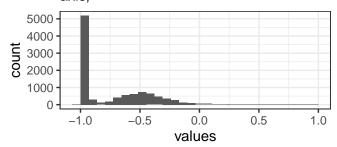


Figure 30: Distribution of values for timeof\_body\_gyro\_jerk\_std\_x

**Distribution** 0 missing values.

### **Summary statistics**

name	label	data_ <b>n</b> yp <b>e</b> issin <b>y</b> plet <b>e</b> niran <b>e</b> di <b>a</b> naxmean						$\operatorname{sd}$	hist
timeof_boo	y <u>Täyne djenkinst dig</u> val (50Hz const rate), body gyroscope 3-axial raw 26 signal jerk standard deviation X axis,	numeric0	1	- 1	0.9	_	- 0.7313	0.00.	38159

time of body grown independent

### timeof\_body\_gyro\_jerk\_std\_y

Time domains signal (50Hz const rate), body gyroscope 3-axial raw signal jerk standard deviation Y axis,

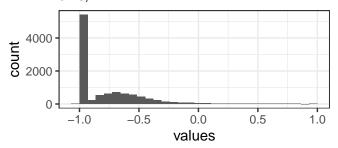


Figure 31: Distribution of values for timeof\_body\_gyro\_jerk\_std\_y

name	label	$data\_{\textbf{n}}\underline{\textbf{ype}}issin\textbf{y}plet\textbf{e}\underline{\textbf{n}}i\textbf{rate}di\textbf{a}\textbf{n}axmean$							hist
timeof_bod	y <u>Tiyne djankinst digu</u> al (50Hz const rate), body gyroscope 3-axial raw signal jerk standard deviation Y axis,	numeric0	1	- 1	0.9	_	0.7860	0	 27157

### $timeof\_body\_gyro\_jerk\_std\_z$

Time domains signal (50Hz const rate), body gyroscope 3-axial raw signal jerk standard deviation Z axis,

### timeof\_body\_gyro\_jerk\_std\_z Time domains signal (50Hz const rate), body gyroscope 3-axial raw signal jerk standard deviation Z axis,

Figure 32: Distribution of values for timeof\_body\_gyro\_jerk\_std\_z

0.0

values

0.5

1.0

-0.5

-1.0

**Distribution** 0 missing values.

### **Summary statistics**

name	label	data_ntypneissi	ngple	et <b>e</b> ni	rate	dianna	axmean	$\operatorname{sd}$	hist
timeof_bod;	y <u>Time djenkinstdig</u> nal (50Hz const rate), body gyroscope 3-axial raw 27 signal jerk standard deviation Z axis,	numeric0	1	1	0.9	_	- 0.7399	0.00.	19942

time of body and many many

### timeof\_body\_accel\_magn\_mean

Time domains signal (50Hz const rate), body acceleration euclidean norm magnitude mean

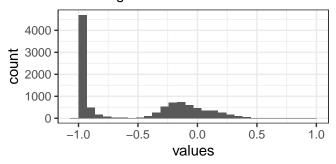


Figure 33: Distribution of values for timeof\_body\_accel\_magn\_mean

name	label	data_tm	omissin	gnple	et <b>e</b> ni	<b>man</b> edi	ama	xmean	$\operatorname{sd}$	hist
timeof_bod	y <u>Tänoeldomagins</u> signal (50Hz const rate), body acceleration euclidean norm magnitude mean	numeric	0	1	- 1	0.87	1	0.5482	0.4670 2217	 0937

### $timeof\_body\_accel\_magn\_std$

Time domains signal (50Hz const rate), body acceleration euclidean norm magnitude standard deviation

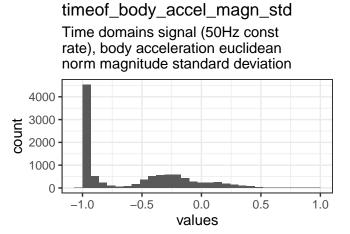


Figure 34: Distribution of values for timeof\_body\_accel\_magn\_std

**Distribution** 0 missing values.

### **Summary statistics**

name labe	el	data_tmp	emiss <b>ing</b>	nple	t <b>e</b> ni	rabe	dianna	xmean	$\operatorname{sd}$	hist
rate	wedomaigs signal (50Hz conste), body acceleration euclidean m magnitude standard deviation	numeric 28	0	1	- 1	0.84		0.5912	0.429 2253	4313

time of marrity and many many

### timeof\_gravity\_accel\_magn\_mean

Time domains signal (50Hz const rate), gravity acceleration euclidean norm magnitude mean

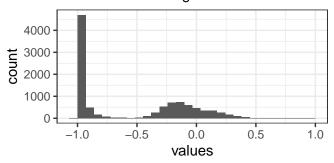


Figure 35: Distribution of values for timeof\_gravity\_accel\_magn\_mean

name	label	${\rm data\_typ\underline{e}missing}{\rm nplet}{\rm \underline{e}\underline{n}iran}{\rm \underline{e}diamax}{\rm mean}$								hist
timeof_gravi	ty <u>Timeedommaigs signah</u> (50Hz const rate), gravity acceleration euclidean norm magnitude mean	numeric	0	1	- 1	- 0.87	1	0.5482	0.467 2217	 0937

### $timeof\_gravity\_accel\_magn\_std$

Time domains signal (50Hz const rate), gravity acceleration euclidean norm magnitude standard deviation

### timeof\_gravity\_accel\_magn\_std

Time domains signal (50Hz const rate), gravity acceleration euclidean norm magnitude standard deviation

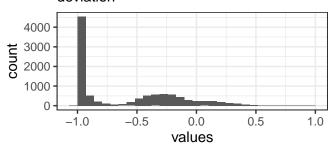


Figure 36: Distribution of values for timeof\_gravity\_accel\_magn\_std

### **Distribution** 0 missing values.

### **Summary statistics**

name	label	data_ntypnissingpleteniranedianaxmean							hist
timeof_	gravit Fine and managements [student constrate], gravity acceleration euclidean 29 norm magnitude standard deviation	numeric0	1	1	0.8	-	- 0.5912	0	94313

time of body and into many many

### timeof\_body\_accel\_jerk\_magn\_mea

Time domains signal (50Hz const rate), body acceleration jerk euclidean norm magnitude mean

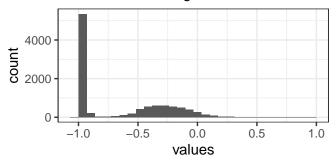


Figure 37: Distribution of values for timeof\_body\_accel\_jerk\_magn\_mean

name	label	$data\_t \underline{\textbf{y}}\underline{\textbf{p}}\underline{\textbf{e}} miss \underline{\textbf{c}}\underline{\textbf{n}}\underline{\textbf{p}}\underline{\textbf{e}} let \underline{\textbf{e}}\underline{\textbf{n}}\underline{\textbf{i}}\underline{\textbf{r}}\underline{\textbf{a}}\underline{\textbf{b}}\underline{\textbf{e}} diamax mean$								hist
timeof_body_	_a <b>&amp;inle_jdoknaims</b> grignale <b>\ñ</b> 0Hz const rate), body acceleration jerk euclidean norm magnitude mean	numeric	0	1	- 1	- 0.95	1	0.6494	0.389 18	4942

### $timeof\_body\_accel\_jerk\_magn\_std$

Time domains signal (50Hz const rate), body acceleration jerk euclidean norm magnitude standard deviation

### $time of\_body\_accel\_jerk\_magn\_std$

Time domains signal (50Hz const rate), body acceleration jerk euclidean norm magnitude standard deviation

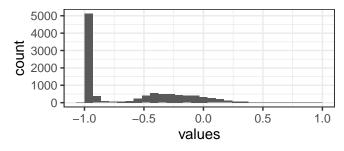


Figure 38: Distribution of values for timeof\_body\_accel\_jerk\_magn\_std

**Distribution** 0 missing values.

name	label	data_ <b>hype</b> issong	plet	t <b>e</b> ni	rabec	lianne	axmean	sd	hist
timeof_body_	Time denkainsaggnal (150Hz constrate), body acceleration jerk 30 euclidean norm magnitude standard deviation	numeric0	1	1	- 0.93	1	0.6277	0	72213

### timeof\_body\_gyro\_magn\_mean

Time domains signal (50Hz const rate), body gyroscope 3–axial raw signal euclidean norm magnitude mean

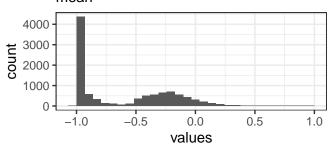


Figure 39: Distribution of values for timeof\_body\_gyro\_magn\_mean

name	label	data_ <b>n</b> ypmais	si <b>n</b> gple	et <b>e</b> ni	inabe	lianne	axmean	sd	hist
timeof_b	oody <u>Tigyerolo</u> maigns_sigeranl (50Hz const rate), body gyroscope 3-axial raw signal euclidean norm magnitude mean	numeric0	1	1	0.82	1	0.6052		97096

### timeof\_body\_gyro\_magn\_std

Time domains signal (50Hz const rate), body gyroscope 3-axial raw signal euclidean norm magnitude standard deviation

### timeof\_body\_gyro\_magn\_std

Time domains signal (50Hz const rate), body gyroscope 3–axial raw signal euclidean norm magnitude standard deviation

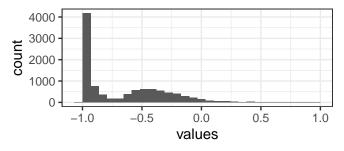


Figure 40: Distribution of values for timeof\_body\_gyro\_magn\_std

**Distribution** 0 missing values.

name	label	data_ntypneis	$\operatorname{sd}$	hist					
timeof	bod <u>Vinggyrhomaingsnsig</u> trål (50Hz const rate),	numeric0	1	-	-	1	-	0.34	92246
	body gyroscope 3-axial raw signal			1	0.8	3	0.6625	331	
	euclidean norm magnitude standard								
	1								

### timeof\_body\_gyro\_jerk\_magn\_mear

Time domains signal (50Hz const rate), body gyroscope 3–axial raw signal jerk euclidean norm magnitude mean

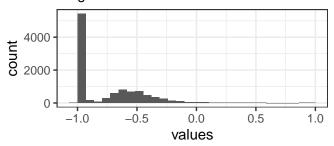


Figure 41: Distribution of values for timeof\_body\_gyro\_jerk\_magn\_mean

name	label	data_ntypneiss	data_ <b>nypaissing</b> plete <u>ni</u> rahedianaxmean						
timeof_body	Tymoe denkaimagignale(510Hz const rate), body gyroscope 3-axial raw signal jerk euclidean norm magnitude mean	numeric0	1	1	0.96	1 3	0.7621	• •	—— 65145

### timeof\_body\_gyro\_jerk\_magn\_std

Time domains signal (50Hz const rate), body gyroscope 3-axial raw signal jerk euclidean norm magnitude standard deviation

### timeof\_body\_gyro\_jerk\_magn\_std Time domains signal (50Hz const

rate), body gyroscope 3–axial raw signal jerk euclidean norm magnitude standard deviation

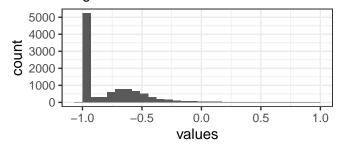


Figure 42: Distribution of values for timeof body gyro jerk magn std

**Distribution** 0 missing values.

name	label	30	data_ <b>n</b> ypoai	ssingp	letn	in <b>rat</b> e	eliann	axmeai	n sd	hist
timeof_	body <u>Tgyme d</u> jenkainsa i	gnast(50Hz const rate),	numeric0	1	-	-	1	_	0.27	15902
		3-axial raw signal jerk			1	0.9	4	0.777	79932	
	euclidean norm i	nagnitude standard								

### frequ\_body\_accel\_mean\_x Fast fourier tranform frequecy signal, body acceleration mean X axis,

Figure 43: Distribution of values for frequ\_body\_accel\_mean\_x

0.0

values

0.5

1.0

-0.5

\_i.0

name	label	data_tyn	$\operatorname{sd}$	hist						
frequ_body_	Fastlformian tranform frequecy signal, body acceleration mean X axis,	numeric	0	1	-1	- 0.95	1	0.62276	0.420 617	7946

### $frequ\_body\_accel\_mean\_y$

Fast fourier tranform frequecy signal, body acceleration mean Y axis,

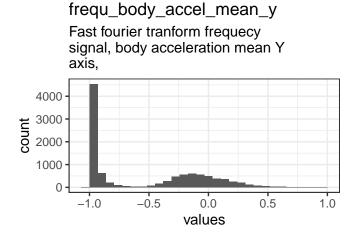


Figure 44: Distribution of values for frequ\_body\_accel\_mean\_y

### **Distribution** 0 missing values.

### **Summary statistics**

name	label	data_twp_emissingnplete_miatemediamax mean								hist
frequ_bo	dy_Faselfonmentranform frequecy signal, body acceleration mean Y axis,	numeric 33	0	1	-1	0.86	1	0.5374	0.481 933	6819

form body and man a

### frequ\_body\_accel\_mean\_z

Fast fourier tranform frequecy signal, body acceleration mean Z axis,

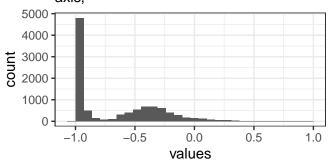


Figure 45: Distribution of values for frequ\_body\_accel\_mean\_z

name	label	${\rm data\_ty\!\!\:\underline{p}\underline{m}issin\underline{m}plete\underline{m}i\!\!\:\underline{m}temediamax\ mean}$								hist
frequ_body	Fasel formeien tranform frequecy signal, body acceleration mean Z axis,	numeric	0	1	-1	0.9	1	0.66503	0.3588 335	8531

### $frequ\_body\_accel\_std\_x$

Fast fourier tranform frequecy signal, body acceleration standard deviation X axis,

# frequ\_body\_accel\_std\_x Fast fourier tranform frequecy signal, body acceleration standard deviation X axis,

Figure 46: Distribution of values for frequ\_body\_accel\_std\_x

**Distribution** 0 missing values.

### **Summary statistics**

name	label	data_tyng	emis	ssingnple	et <b>e</b> ni	natueed	iama	x mean	sd	hist
frequ_	body Fastesountidr tranform frequecy signal, body acceleration standard deviation X axis,	numeric 34	0	1	-1	- 0.94	1	0.6033	0.446° 3563	 7928

forces body appl and r

### frequ\_body\_accel\_std\_y

Fast fourier tranform frequecy signal, body acceleration standard deviation Y axis,

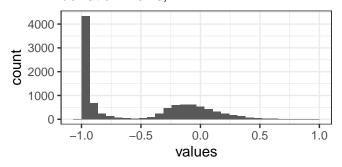


Figure 47: Distribution of values for frequ\_body\_accel\_std\_y

name	label	${\rm data\_typ\_emissing}. plete\_{\rm \underline{m}iast} {\rm emediam} {\rm ax} \ {\rm mean}$							$\operatorname{sd}$	hist
frequ_bod	y Fastelloustidr tranform frequecy signal, body acceleration standard deviation Y axis,	numeric	0	1	-1	- 0.83	1	0.5284	0.4799	925

### $frequ\_body\_accel\_std\_z$

Fast fourier tranform frequecy signal, body acceleration standard deviation Z axis,

-1.0

## frequ\_body\_accel\_std\_z Fast fourier tranform frequecy signal, body acceleration standard deviation Z axis, 4000 1000 1000

Figure 48: Distribution of values for frequ\_body\_accel\_std\_z

0.0

values

0.5

1.0

-0.5

### **Distribution** 0 missing values.

### **Summary statistics**

name label	data_twpen	niss <b>ing</b> nple	te <u>ni</u> n	a <b>tra</b> edi	amax mean	$\operatorname{sd}$	hist
frequ_body_Fastefountidr_tranform frequecy signal, body acceleration standard deviation Z axis,	numeric 0 35	) 1	-1	0.84	1 - 0.617	0.398 8748	9732

from body and man from

### frequ\_body\_accel\_mean\_freq\_x

Fast fourier tranform frequecy signal, body acceleration mean freq X axis,

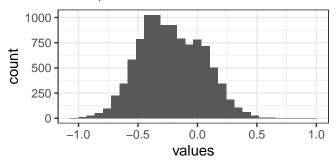


Figure 49: Distribution of values for frequ\_body\_accel\_mean\_freq\_x

name	label	${\rm data\_ty\!\underline{n}\underline{p}\underline{e}miss\underline{ing}\underline{n}plete\underline{m}\underline{in}\underline{t}\underline{e}\underline{m}\underline{e}\underline{d}\underline{i}\underline{a}\underline{m}\underline{a}\underline{x}\underline{\ mean}}$							$\operatorname{sd}$	hist
frequ_	body_acFalst framierftranførm frequecy signal, body acceleration mean freq X axis,	numeric	0	1	-1	0.24	1	0.2214	0.264 1691	5858

### $frequ\_body\_accel\_mean\_freq\_y$

Fast fourier tranform frequecy signal, body acceleration mean freq Y axis,

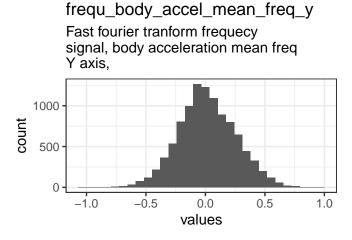


Figure 50: Distribution of values for frequ\_body\_accel\_mean\_freq\_y

### **Distribution** 0 missing values.

### **Summary statistics**

name	label	data_twpemis	$\operatorname{sd}$	hist				
frequ_body	acEast for an ierft equipment frequecy signal, body acceleration mean freq Y axis,	numeric 0 36	1	-1	0.00471	0.01540	<b>006</b> 408	846

from body and moon from

# frequ\_body\_accel\_mean\_freq\_z

Fast fourier tranform frequecy signal, body acceleration mean freq Z axis,

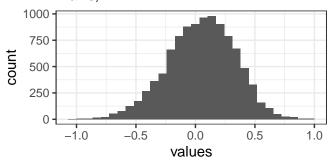


Figure 51: Distribution of values for frequ\_body\_accel\_mean\_freq\_z

name	label	data_tmj	omissir	ngnplet	e <u>m</u> ia	ntemediama	x mean	$\operatorname{sd}$	hist
frequ_bo	ody_acFalst manierfteqnform frequecy signal, body acceleration mean freq Z axis,	numeric	0	1	-1	0.061 1	0.04730	<b>19.2</b> 83'	7848

## $frequ\_body\_accel\_jerk\_mean\_x$

Fast fourier tranform frequecy signal, body acceleration jerk mean X axis,

# frequ\_body\_accel\_jerk\_mean\_x Fast fourier tranform frequecy signal, body acceleration jerk mean X axis, 4000 2000 -1.0 -0.5 0.0 0.5 1.0 values

Figure 52: Distribution of values for frequ\_body\_accel\_jerk\_mean\_x

**Distribution** 0 missing values.

## **Summary statistics**

name	label	data_twpe	nissi	i <b>ng</b> nplet	e <u>m</u> ia	ntemedi	iama	x mean	$\operatorname{sd}$	hist
frequ_	body_acFast jforkrienearanførm frequecy signal, body acceleration jerk mean X axis,	numeric (	0	1	-1	- 0.95	1	0.6567	0.3899 7135	9946

frager body agail took mann y

# frequ\_body\_accel\_jerk\_mean\_y

Fast fourier tranform frequecy signal, body acceleration jerk mean Y axis,

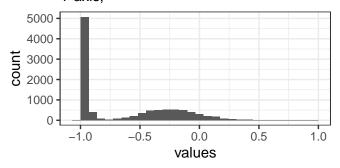


Figure 53: Distribution of values for frequ\_body\_accel\_jerk\_mean\_y

name	label	data_tmj	<u>ə</u> mis	ssingnple	te <u>m</u> ia	ntemedi	iamaz	k mean	$\operatorname{sd}$	hist
frequ_b	oody_ac <b>Falst jforkriendara</b> nførm frequecy signal, body acceleration jerk mean Y axis,	numeric	0	1	-1	- 0.93	1	0.6289	0.407 0612	3001

## $frequ\_body\_accel\_jerk\_mean\_z$

Fast fourier tranform frequecy signal, body acceleration jerk mean Z axis,

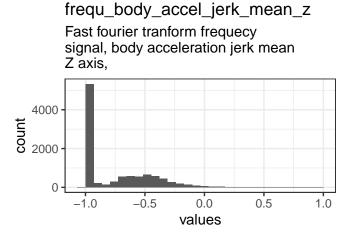


Figure 54: Distribution of values for frequ\_body\_accel\_jerk\_mean\_z

## **Distribution** 0 missing values.

## **Summary statistics**

name	label	data_twpemissi	ngnplet	e <u>m</u> ia	ntemedi	iama	x mean	sd	hist
frequ_	_body_ac <b>Falstjforkriendara</b> nførm frequecy signal, body acceleration jerk mean Z axis,	numeric 0 38	1	-1	- 0.95	1	- 0.7436	0.297' 6082	7082

from body and integrated w

# frequ\_body\_accel\_jerk\_std\_x

Fast fourier tranform frequecy signal, body acceleration jerk standard deviation X axis,

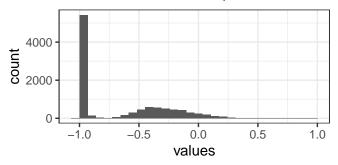


Figure 55: Distribution of values for frequ\_body\_accel\_jerk\_std\_x

name	label	$data\_t \underline{\textit{y}}\underline{\textit{p}}\underline{\textit{e}}missin\underline{\textit{g}}\underline{\textit{n}}plet\underline{\textit{e}}\underline{\textit{n}}\underline{\textit{i}}\underline{\textit{r}}\underline{\textit{a}}\underline{\textit{h}}\underline{\textit{e}}diamaxmean$								hist
frequ_body	Festlfojerler stdnførm frequecy signal, body acceleration jerk standard deviation X axis,	numeric	0	1	1	- 0.96	1	- 0.6549	0.393 798	2918

## $frequ\_body\_accel\_jerk\_std\_y$

Fast fourier tranform frequecy signal, body acceleration jerk standard deviation Y axis,

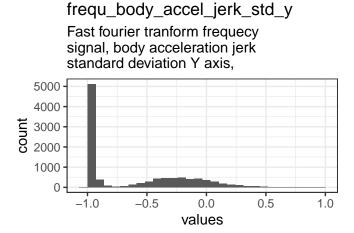


Figure 56: Distribution of values for frequ\_body\_accel\_jerk\_std\_y

**Distribution** 0 missing values.

## **Summary statistics**

name	label	data_typemiss	<b>ing</b> nple	et <b>e</b> n	i <b>rane</b> di	ama	xmean	$\operatorname{sd}$	hist
frequ_body	Fastlfojerler stranform frequecy signal, body acceleration jerk standard deviation Y axis,	numeric 0 39	1	- 1	- 0.93	1	0.6122	0.433 2436	5249

from body applicated a

# frequ\_body\_accel\_jerk\_std\_z

Fast fourier tranform frequecy signal, body acceleration jerk standard deviation Z axis,

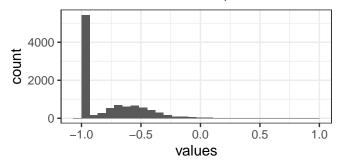


Figure 57: Distribution of values for frequ\_body\_accel\_jerk\_std\_z

name	label	${\rm data\_typ\underline{e}missing}{\rm nplet}{\rm e\underline{mirathe}{\rm diam}{\rm axmean}}$								hist
frequ_body	Fasel fojerler strdnførm frequecy signal, body acceleration jerk standard deviation Z axis,	numeric	0	1	1	- 0.96	1	0.7809	0.259 284	5436

## $frequ\_body\_accel\_jerk\_mean\_freq\_x$

Fast fourier tranform frequecy signal, body acceleration jerk mean freq X axis,

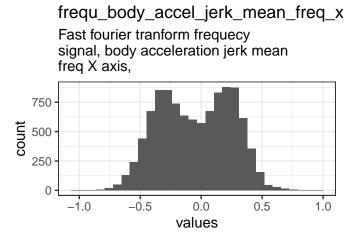


Figure 58: Distribution of values for frequ\_body\_accel\_jerk\_mean\_freq\_x

**Distribution** 0 missing values.

## **Summary statistics**

name label	data_twpemissingnpletenirateediamax mean sd	hist
frequ_body_acc <b>lastefdurinestmarfforq</b> signal, body acceleration mean freq X axis,	- v	5416

from body and larly many from y

# Fast fourier tranform frequecy signal, body acceleration jerk mean freq Y axis,

Figure 59: Distribution of values for frequ\_body\_accel\_jerk\_mean\_freq\_y

name	label	data_tyı	emiss	<b>ċng</b> nple	et <b>e</b> nir	<b>natun</b> edi	iamax	mean	$\operatorname{sd}$	hist
frequ_be	ody_acc <b>Fasjefdurinean</b> ar <b>fform</b> frequecy signal, body acceleration jerk mean freq Y axis,	numeric	0	1	-1	0.24	1	- 0.2133	0.272 8929	1863

## $frequ\_body\_accel\_jerk\_mean\_freq\_z$

Fast fourier tranform frequecy signal, body acceleration jerk mean freq Z axis,

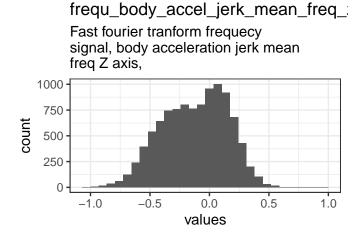


Figure 60: Distribution of values for frequ\_body\_accel\_jerk\_mean\_freq\_z

**Distribution** 0 missing values.

name	label	data_twn	omissin	gnple	et <b>e</b> nir	atmed	iamax	k mean	$\operatorname{sd}$	hist
frequ_body_ac	cclastefdurineanarfform frequecy signal, body acceleration jerk mean freq Z axis,	numeric 41	0	1	-1	- 0.1	1	0.1238	0.273 328	3538

# frequ\_body\_gyro\_mean\_x

Fast fourier tranform frequecy signal, body gyroscope 3-axial raw signal mean X axis,

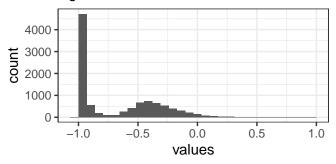


Figure 61: Distribution of values for frequ\_body\_gyro\_mean\_x

name	label	data_tyı	omiss	<b>ċng</b> nple	et <b>e</b> niı	natumed:	iamaz	x mean	$\operatorname{sd}$	hist
frequ_bod	y <u>Fayt doumient ranform</u> frequecy signal, body gyroscope 3-axial raw signal mean X axis,	numeric	0	1	-1	- 0.89	1	0.6720	0.351 943	4984

### frequ\_body\_gyro\_mean\_y

Fast fourier tranform frequecy signal, body gyroscope 3-axial raw signal mean Y axis,

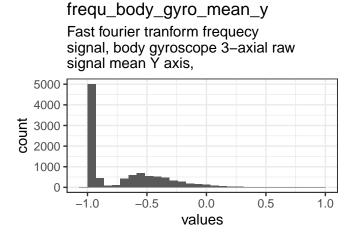


Figure 62: Distribution of values for frequ\_body\_gyro\_mean\_y

## **Distribution** 0 missing values.

## **Summary statistics**

name	label	data_tyı	omis	singnple	tenir	nateed	iama	ax mean	$\operatorname{sd}$	hist
frequ_	body Fayt founiem tranform frequecy signal, body gyroscope 3-axial raw signal mean Y axis,	numeric 42	0	1	-1	0.92	1	0.7062	0.3356 2166	6653

forces body grown mann a

# frequ\_body\_gyro\_mean\_z

Fast fourier tranform frequecy signal, body gyroscope 3-axial raw signal mean Z axis,

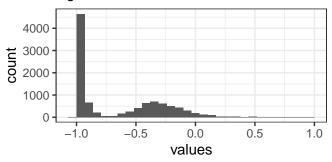


Figure 63: Distribution of values for frequ\_body\_gyro\_mean\_z

name label	data_tyı	emis	s <b>ing</b> nple	et <b>e</b> niı	natura ed	iamax	x mean	$\operatorname{sd}$	hist
frequ_body Fgyrdoumientrznform frequecy signal, body gyroscope 3-axial raw signal mean Z axis,	numeric	0	1	-1	- 0.89	1	0.6441	0.3820 .928	0194

### frequ\_body\_gyro\_std\_x

Fast fourier tranform frequecy signal, body gyroscope 3-axial raw signal standard deviation X axis,

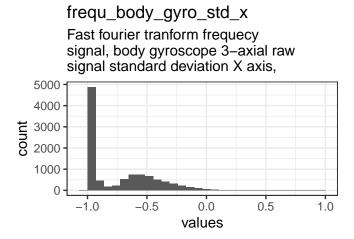


Figure 64: Distribution of values for frequ\_body\_gyro\_std\_x

## **Distribution** 0 missing values.

### **Summary statistics**

name label		data_tyı	emissi	n <b>g</b> nple	et <b>e</b> ni	i <b>rane</b> di	ama	axmean	$\operatorname{sd}$	hist
body gyrosc	txanform frequecy signal, ope 3-axial raw signal viation X axis,	numeric 43	0	1	1	- 0.91	1	0.7385	0.28 5948	 5773

from body gros and re

# frequ\_body\_gyro\_std\_y

Fast fourier tranform frequecy signal, body gyroscope 3-axial raw signal standard deviation Y axis,

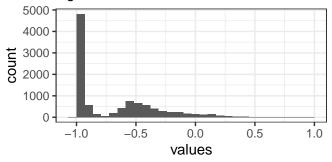


Figure 65: Distribution of values for frequ\_body\_gyro\_std\_y

name	label	$data\_t{\tt ype} missing plet {\tt enirate} diamax mean$								hist
frequ_boo	dyFagynfousied_tyanform frequecy signal, body gyroscope 3-axial raw signal standard deviation Y axis,	numeric	0	1	1	- 0.91	1	0.6742	0.369 2269	6647

## $frequ\_body\_gyro\_std\_z$

Fast fourier tranform frequecy signal, body gyroscope 3-axial raw signal standard deviation Z axis,

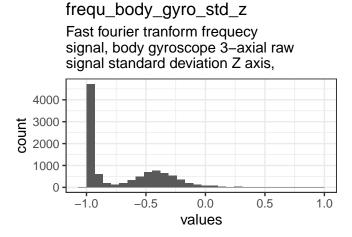


Figure 66: Distribution of values for frequ\_body\_gyro\_std\_z

**Distribution** 0 missing values.

## **Summary statistics**

name	label	data_tmp	emis	singnple	et <b>e</b> n	i <b>rane</b> di	iama	axmean	$\operatorname{sd}$	hist
frequ_	bodyFagyrfousitel_tzanform frequecy signal, body gyroscope 3-axial raw signal standard deviation Z axis,	numeric 44	0	1	1	0.89	1	0.6904	0.3373 1463	3102

fuere body grown many from the

# frequ\_body\_gyro\_mean\_freq\_x

Fast fourier tranform frequecy signal, body gyroscope 3-axial raw signal mean freq X axis,

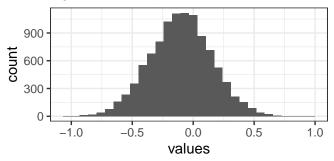


Figure 67: Distribution of values for frequ\_body\_gyro\_mean\_freq\_x

name	label	data_tyn	$\operatorname{sd}$	hist						
frequ_body	Exist fonciar threaform frequecy signal, body gyroscope 3-axial raw signal mean freq X axis,	numeric	0	1	1	- 0.09	1 9	0.1010	0.2558 0427	8889

## frequ\_body\_gyro\_mean\_freq\_y

Fast fourier tranform frequecy signal, body gyroscope 3-axial raw signal mean freq Y axis,

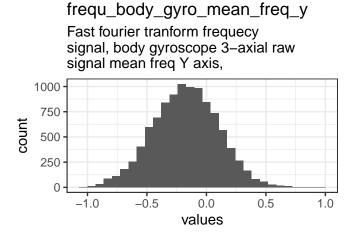


Figure 68: Distribution of values for frequ\_body\_gyro\_mean\_freq\_y

**Distribution** 0 missing values.

### **Summary statistics**

name	label	data_tynp	emissing	pple	et <b>e</b> ni	imanhedi	ama	xmean	$\operatorname{sd}$	hist
frequ_body	Exist fonciar thatform frequecy signal, body gyroscope 3-axial raw signal mean freq Y axis,	numeric 45	0	1	- 1	- 0.17	1	- 0.1742	0.273 2776	3333

from body gross moon from

# frequ\_body\_gyro\_mean\_freq\_z

Fast fourier tranform frequecy signal, body gyroscope 3–axial raw signal mean freq Z axis,

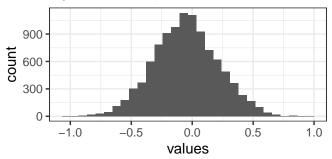


Figure 69: Distribution of values for frequ\_body\_gyro\_mean\_freq\_z

name	label	$data\_ty\!$								hist
frequ_body	Exist foncier threaform frequecy signal, body gyroscope 3-axial raw signal mean freq Z axis,	numeric	0	1	1	- 0.05	1 4	0.0513	0.266 8929	1928

## $frequ\_body\_accel\_magn\_mean$

Fast fourier tranform frequecy signal, body acceleration euclidean norm magnitude mean

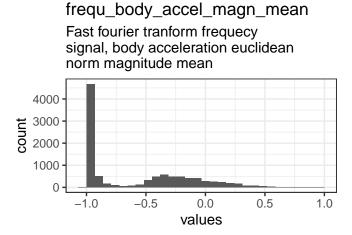


Figure 70: Distribution of values for frequ\_body\_accel\_magn\_mean

**Distribution** 0 missing values.

## **Summary statistics**

name	label	data_tmg	emis	singnple	t <b>e</b> niı	na tune di	ama	x mean	sd	hist
frequ_body_	Fast formign transform frequecy signal, body acceleration euclidean norm magnitude mean	numeric 46	0	1	-1	- 0.88	1	- 0.5859	0.445; 0627	3266

from body soci mom at

# frequ\_body\_accel\_magn\_std

Fast fourier tranform frequecy signal, body acceleration euclidean norm magnitude standard deviation

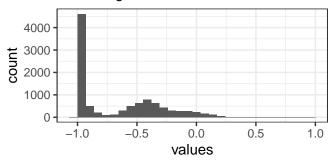


Figure 71: Distribution of values for frequ\_body\_accel\_magn\_std

name	label	data_tyn	omiss <b>in</b>	gnple	et <b>e</b> ni	irabe	di <b>ann</b> a	axmean	$\operatorname{sd}$	hist
frequ_bod	y Fastelouriagntrestfbrm frequecy signal, body acceleration euclidean norm magnitude standard deviation	numeric	0	1	1	0.8	_	- 0.6595	0.3554 $6312$	4288

## frequ\_body\_accel\_magn\_mean\_freq

Fast fourier tranform frequecy signal, body acceleration euclidean norm magnitude mean freq

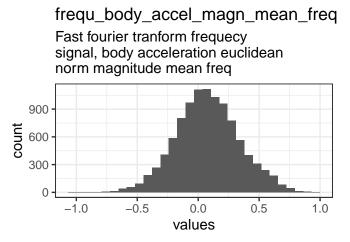


Figure 72: Distribution of values for frequ\_body\_accel\_magn\_mean\_freq

**Distribution** 0 missing values.

### Summary statistics

name	label	data_tyn	omissing	pple	et <b>e</b> ni	<b>ran</b> edi	ama	axmean	$\operatorname{sd}$	hist
frequ_body_	acFalst fraguier means for frequecy signal, body acceleration euclidean 4 norm magnitude mean freq	numeric 7	0	1	1	0.07	1	0.0768	<b>7.02</b> 629	9581

from hadr hadr agail toul many many

# frequ\_body\_body\_accel\_jerk\_magn\_

Fast fourier tranform frequecy signal, body to body acceleration jerk euclidean norm magnitude mean

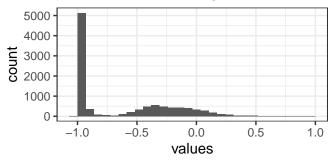


Figure 73: Distribution of values for frequ\_body\_body\_accel\_jerk\_magn\_mean

name	label	data_ <b>n</b> yp <b>n</b> is	soin aple	et <b>e</b> n:	irabe	diamo	axmean	$\operatorname{sd}$	hist
frequ_body_	bokhst doorlejdran forugufrequeny signal, body to body acceleration jerk euclidean norm magnitude mean	numeric0	1	1	0.93	1 3	0.6207	0	 50641

### frequ\_body\_body\_accel\_jerk\_magn\_std

Fast fourier tranform frequecy signal, body to body acceleration jerk euclidean norm magnitude standard deviation

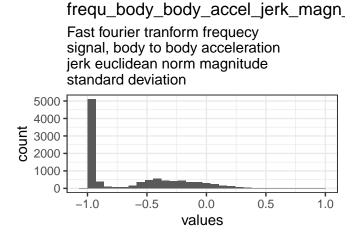


Figure 74: Distribution of values for frequ body body accel jerk magn std

**Distribution** 0 missing values.

name	label 48	data_	<u>hypre</u> is	ssoingp	letm	in <b>ra</b> t	elianna	axmear	n sd	hist
frequ_bo	ody_b <b>Eals</b> t_f <b>acceer_jenh_forms</b> gfre <b>que</b> cy signal,	nume	eric0	1	-	-	1	-	0.406	6022
	body to body acceleration jerk				1	0.9	3	0.640	00768	
	euclidean norm magnitude standard									

# frequ\_body\_body\_accel\_jerk\_magn\_

Fast fourier tranform frequecy signal, body to body acceleration jerk euclidean norm magnitude mean freq

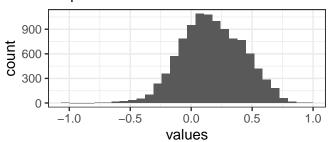


Figure 75: Distribution of values for frequ\_body\_body\_accel\_jerk\_magn\_mean\_freq

name	label	data_ <b>hype</b> iss	ingple	et <b>e</b> n:	irabediam	axmean	$\operatorname{sd}$	hist
frequ_body_bo	ody <u>Fastceelurjerktrankemm fmequect</u> req signal, body to body acceleration jerk euclidean norm magnitude mean freq	numeric0	1	1	0.16 1	0.1732	01.975	 2537

### frequ\_body\_body\_gyro\_magn\_mean

Fast fourier tranform frequecy signal, body to body gyroscope 3-axial raw signal euclidean norm magnitude mean

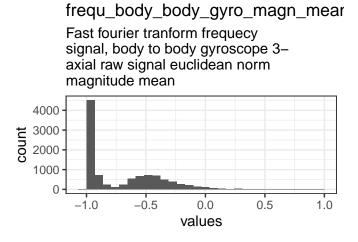


Figure 76: Distribution of values for frequ\_body\_body\_gyro\_magn\_mean

 $\begin{tabular}{ll} \textbf{Distribution} & 0 \ missing \ values. \end{tabular}$ 

name	label 49	data_ntypnaissingpleteniranedianaxmean						$\operatorname{sd}$	hist
frequ_body_	<u>Fastyfogyier_tmaagformofæ</u> quecy signal,	numeric0	1	-	-	1	-	0.323	37012
	body to body gyroscope 3-axial raw signal euclidean norm magnitude			1	0.88	8	0.6974	1111	

# frequ\_body\_body\_gyro\_magn\_std

Fast fourier tranform frequecy signal, body to body gyroscope 3– axial raw signal euclidean norm magnitude standard deviation

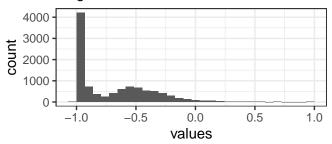


Figure 77: Distribution of values for frequ\_body\_body\_gyro\_magn\_std

name	label	data_ <b>n</b> ypeais	ssingp	letm	in <b>rat</b> ed	ianne	axmean	sd	hist
frequ_bod	y Fastlfougienotranafgnmsfædquecy signal, body to body gyroscope 3-axial raw signal euclidean norm magnitude standard deviation	numeric0	1	- 1	0.83	1	0.699	0.0-	<u> </u>

### frequ\_body\_body\_gyro\_magn\_mean\_freq

Fast fourier tranform frequecy signal, body to body gyroscope 3-axial raw signal euclidean norm magnitude mean freq

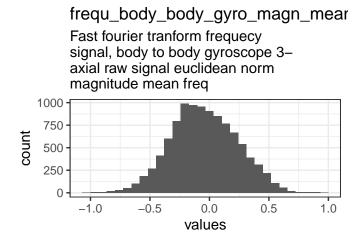


Figure 78: Distribution of values for frequ\_body\_body\_gyro\_magn\_mean\_freq

 $\begin{tabular}{ll} \textbf{Distribution} & 0 \ missing \ values. \end{tabular}$ 

name	label 50	data_ <b>n</b> yp <b>e</b> i	issoingp	letne	inrat	ediam	axmear	ı sd	hist
frequ_body	v_bEndst_fgyrier_ntrægnformme£nnequiræcy signal,	numeric0	1	-	-	1	-	0.28	01418
	body to body gyroscope 3-axial raw			1	0.0	52	0.041	5636	
	signal euclidean norm magnitude								
	moon from								

# frequ\_body\_body\_gyro\_jerk\_magn\_

Fast fourier tranform frequecy signal, body to body gyroscope 3– axial raw signal jerk euclidean norm magnitude mean

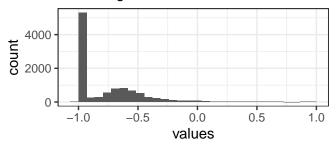


Figure 79: Distribution of values for frequ\_body\_body\_gyro\_jerk\_magn\_mean

name	label	data_ <b>hypre</b> is	esingp	letm	in <b>rat</b> e	elianna	axmean	sd	hist
frequ_body_	body to body gyroscope 3-axial raw signal jerk euclidean norm magnitude mean	numeric0	1	1	0.9	1 5	- 0.779	00	 75916

### frequ\_body\_body\_gyro\_jerk\_magn\_std

Fast fourier tranform frequecy signal, body to body gyroscope 3-axial raw signal jerk euclidean norm magnitude standard deviation

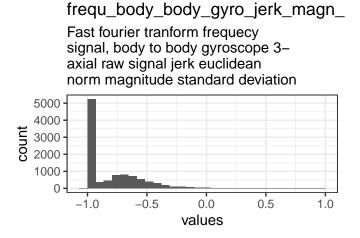


Figure 80: Distribution of values for frequ body body gyro jerk magn std

**Distribution** 0 missing values.

name	label 51	data_ <b>hype</b> is	<b>sóng</b> p	letra	inmate	elianon	axmeai	n sd	hist
frequ_bod	y_ <b>Bast</b> y <u>fo<b>gyie</b>r_tjænkfo<b>rna</b>greqstæby signal,</u>	numeric0	1	-	-	1	-	0.259	91601
	body to body gyroscope 3-axial raw			1	$0.9^{-1}$	4	0.792	21902	
	signal jerk euclidean norm magnitude								

# frequ\_body\_body\_gyro\_jerk\_magn\_

Fast fourier tranform frequecy signal, body to body gyroscope 3– axial raw signal jerk euclidean norm magnitude mean freq

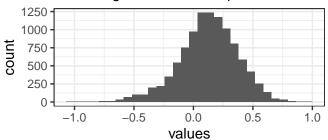


Figure 81: Distribution of values for frequ\_body\_body\_gyro\_jerk\_magn\_mean\_freq

name	label	data_ntypneis	singp	letn	in <b>rat</b> edi <b>a</b> m	axmean	$\operatorname{sd}$	hist
frequ_body_	boldast gywo <u>iejetkanforgn frequery</u> frignal, body to body gyroscope 3-axial raw signal jerk euclidean norm magnitude mean freq	numeric0	1	- 1	0.14 1	0.1267	<b>(0.28</b> .5	5443

### angle\_timeof\_body\_accel\_mean\_gravity

Angle of time domains signal (50Hz const rate), body acceleration mean gravity

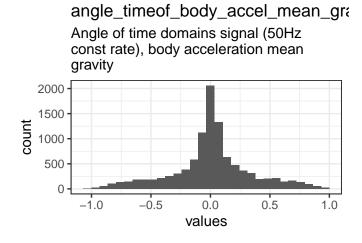


Figure 82: Distribution of values for angle\_timeof\_body\_accel\_mean\_gravity

**Distribution** 0 missing values.

name	label	data_t <b>y</b> ıp	emis	singnple	et <b>e</b> nir	natue edia ma	ax mean	$\operatorname{sd}$	hist
angle_tir	meof_bod <u>yng</u> lecel <u>timeadorgain</u> styignal (50Hz const rate), body acceleration mean gravity	5 <b>2</b> umeric	0	1	-1	0.00811	0.0077	<b>(05.8</b> 3)	6591

# angle\_timeof\_body\_accel\_jerk\_mean

Angle of time domains signal (50Hz const rate), body acceleration jerk mean gravity mean

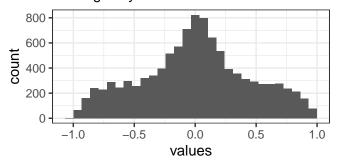
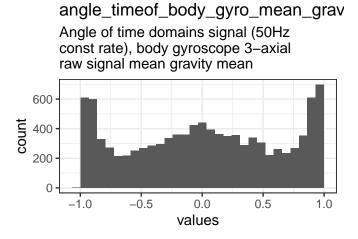


Figure 83: Distribution of values for angle\_timeof\_body\_accel\_jerk\_mean\_gravity\_mean

name	label	di <b>am</b> axmean sd hist
angle_time	eof_body <u>A<b>ngte</b>lofj<b>¢it</b>ne</u> ndenm <u>in</u> gra	0.0026917473638
	(50Hz const rate), body	
	acceleration jerk mean	
	mean	

### angle\_timeof\_body\_gyro\_mean\_gravity\_mean

Angle of time domains signal (50Hz const rate), body gyroscope 3-axial raw signal mean gravity mean



 $Figure~84:~Distribution~of~values~for~angle\_timeof\_body\_gyro\_mean\_gravity\_mean$ 

**Distribution** 0 missing values.

name	label	data_ntypnaissinnepleten_iranteedianaxmean s				axmean sd	hist
angle_timeof_	bod <u>Angly rof_timearlograinit_sigmda(50</u> } const_rate), body gyroscope 3-axial raw signal mean gravity mean	numeric0	1	- 1	0.0171	0.01768.51	161885

# angle\_timeof\_body\_gyro\_jerk\_mean\_

Angle of time domains signal (50Hz const rate), body gyroscope 3-axial raw signal jerk mean gravity mean

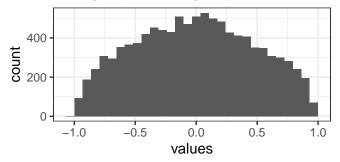


Figure 85: Distribution of values for angle\_timeof\_body\_gyro\_jerk\_mean\_gravity\_mean

name	label		data_ntyp	meissoing	leta	in <b>rat</b> e	diama	axmear	n sd	hist
angle_timed	const rate), l	k domains giguitly (501Hzn oody gyroscope 3-axial rk mean gravity mean	numeric0	1	1		1 072	0.009	00	47698

### $angle\_x\_gravity\_mean$

Angle of X axis, gravity mean

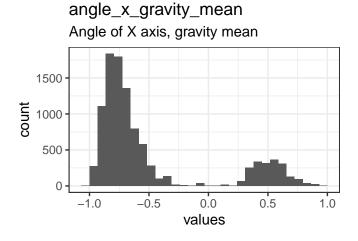


Figure 86: Distribution of values for angle\_x\_gravity\_mean

**Distribution** 0 missing values.

name	label	data_typm	_missingon	nplete_	_ratie	media	anmax	mean	sd	hist
angle_x_gravit <b>Angle</b> of X axis,		numeric	0	1	-1	-	1	-	0.51115	78
gravity mean			54			0.72		0.49652	22	

# angle\_y\_gravity\_mean Angle of Y axis, gravity mean 2500 2000 1500 1000 500 -1.0 -0.5 0.0 0.5 1.0 values

Figure 87: Distribution of values for angle\_y\_gravity\_mean

## $angle\_z\_gravity\_mean$

Angle of Z axis, gravity mean

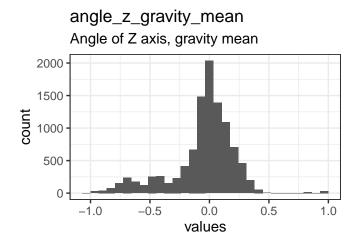


Figure 88: Distribution of values for angle\_z\_gravity\_mean

**Distribution** 0 missing values.

## **Summary statistics**

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angle_z	_gravit <b>yA_ngle</b> aoofZaxis,	numeric	0	1	-1	-		0.268898	32
	gravity mean				0.0039 $0.054284$		43		

## Missingness report

## Codebook table

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JSON-LD metadata The following JSON-LD can be 5 found by search engines, if you share this codebook publicly on the web.

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