Codebook Grouped

Contents

Metadata	9
Description	9
grouped_activity	9
Distribution	9
Summary statistics	9
grouped_subject	9
Distribution	12
Summary statistics	12
$grouped_studentactivity_mean_of_timeof_body_accel_mean_x \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $	12
Distribution	12
Summary statistics	13
$grouped_studentactivity_mean_of_timeof_body_accel_mean_y \ . \ . \ . \ . \ . \ . \ . \ . \ .$	13
Distribution	13
Summary statistics	13
$grouped_studentactivity_mean_of_timeof_body_accel_mean_z \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $	13
Distribution	13
Summary statistics	14
$grouped_studentactivity_mean_of_timeof_body_accel_std_x $	14
Distribution	14
Summary statistics	14
$grouped_studentactivity_mean_of_timeof_body_accel_std_y \ \ . \ . \ . \ . \ . \ . \ . \ . \ . $	14
Distribution	14
Summary statistics	15
$grouped_studentactivity_mean_of_timeof_body_accel_std_z \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $	15
Distribution	15
Summary statistics	15
$grouped_studentactivity_mean_of_timeof_gravity_accel_mean_x \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $	15
Distribution	15
Summary statistics	16

grouped_studentactivity_mean_of_timeof_gravity_accel_mean_y	16
Distribution	16
Summary statistics	16
$grouped_studentactivity_mean_of_timeof_gravity_accel_mean_z \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $	16
Distribution	16
Summary statistics	17
$grouped_studentactivity_mean_of_timeof_gravity_accel_std_x \ \dots $	17
Distribution	17
Summary statistics	17
$grouped_studentactivity_mean_of_timeof_gravity_accel_std_y \ \dots $	17
Distribution	17
Summary statistics	18
$grouped_studentactivity_mean_of_timeof_gravity_accel_std_z \ \dots $	18
Distribution	18
Summary statistics	18
$grouped_studentactivity_mean_of_timeof_body_accel_jerk_mean_x \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $	18
Distribution	18
Summary statistics	19
$grouped_studentactivity_mean_of_timeof_body_accel_jerk_mean_y \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $	19
Distribution	19
Summary statistics	19
$grouped_studentactivity_mean_of_timeof_body_accel_jerk_mean_z \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $	19
Distribution	19
Summary statistics	20
$grouped_studentactivity_mean_of_timeof_body_accel_jerk_std_x \ \dots \dots \dots \dots \dots$	20
Distribution	20
Summary statistics	20
$grouped_studentactivity_mean_of_timeof_body_accel_jerk_std_y \ \dots \dots \dots \dots \dots$	20
Distribution	20
Summary statistics	21
$grouped_studentactivity_mean_of_timeof_body_accel_jerk_std_z \ \ . \ . \ . \ . \ . \ . \ . \ . \ . $	21
Distribution	21
Summary statistics	21
grouped_studentactivity_mean_of_timeof_body_gyro_mean_x	21
Distribution	21
Summary statistics	22

grouped_studentactivity_mean_of_timeof_body_gyro_mean_y	22
Distribution	22
Summary statistics	22
$grouped_studentactivity_mean_of_timeof_body_gyro_mean_z \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $	22
Distribution	22
Summary statistics	23
$grouped_studentactivity_mean_of_timeof_body_gyro_std_x\ .\ .\ .\ .\ .\ .\ .\ .\ .\ .\ .\ .\ .\$	23
Distribution	23
Summary statistics	23
$grouped_studentactivity_mean_of_timeof_body_gyro_std_y \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $	23
Distribution	23
Summary statistics	24
$grouped_studentactivity_mean_of_timeof_body_gyro_std_z\ .\ .\ .\ .\ .\ .\ .\ .\ .\ .$	24
Distribution	24
Summary statistics	24
$grouped_studentactivity_mean_of_timeof_body_gyro_jerk_mean_x \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $	24
Distribution	25
Summary statistics	25
$grouped_studentactivity_mean_of_timeof_body_gyro_jerk_mean_y \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $	25
Distribution	25
Summary statistics	25
$grouped_studentactivity_mean_of_timeof_body_gyro_jerk_mean_z \ \ . \ . \ . \ . \ . \ . \ . \ . \ . $	25
Distribution	26
Summary statistics	26
$grouped_studentactivity_mean_of_timeof_body_gyro_jerk_std_x \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $	26
Distribution	26
Summary statistics	26
$grouped_studentactivity_mean_of_timeof_body_gyro_jerk_std_y \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $	26
Distribution	27
Summary statistics	27
$grouped_studentactivity_mean_of_timeof_body_gyro_jerk_std_z\ .\ .\ .\ .\ .\ .\ .\ .$	27
Distribution	27
Summary statistics	27
$grouped_studentactivity_mean_of_timeof_body_accel_magn_mean\ .\ .\ .\ .\ .\ .\ .\ .$	28
Distribution	28
Summary statistics	28

grouped_studentactivity_mean_of_timeof_body_accel_magn_std	28
Distribution	28
Summary statistics	28
$grouped_studentactivity_mean_of_timeof_gravity_accel_magn_mean\ .\ .\ .\ .\ .\ .\ .$	29
Distribution	29
Summary statistics	29
$grouped_studentactivity_mean_of_timeof_gravity_accel_magn_std~.~.~.~.~.$	29
Distribution	29
Summary statistics	29
$grouped_studentactivity_mean_of_timeof_body_accel_jerk_magn_mean\ .\ .\ .\ .\ .\ .$	30
Distribution	30
Summary statistics	30
$grouped_studentactivity_mean_of_timeof_body_accel_jerk_magn_std~.~.~.~.~.$	30
Distribution	30
Summary statistics	30
$grouped_studentactivity_mean_of_timeof_body_gyro_magn_mean \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $	31
Distribution	31
Summary statistics	31
$grouped_studentactivity_mean_of_timeof_body_gyro_magn_std \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $	31
Distribution	31
Summary statistics	32
$grouped_studentactivity_mean_of_timeof_body_gyro_jerk_magn_mean \ . \ . \ . \ . \ . \ . \ .$	32
Distribution	32
Summary statistics	32
$grouped_studentactivity_mean_of_timeof_body_gyro_jerk_magn_std \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $	32
Distribution	33
Summary statistics	33
$grouped_studentactivity_mean_of_frequ_body_accel_mean_x\ .\ .\ .\ .\ .\ .\ .\ .\ .$	33
Distribution	33
Summary statistics	33
$grouped_studentactivity_mean_of_frequ_body_accel_mean_y\ .\ .\ .\ .\ .\ .\ .\ .\ .$	33
Distribution	34
Summary statistics	34
$grouped_studentactivity_mean_of_frequ_body_accel_mean_z\ .\ .\ .\ .\ .\ .\ .\ .\ .$	34
Distribution	35
Summary statistics	35

grouped_studentactivity_mean_of_frequ_body_accel_std_x	35
Distribution	35
Summary statistics	35
$grouped_studentactivity_mean_of_frequ_body_accel_std_y \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $	35
Distribution	36
Summary statistics	36
$grouped_studentactivity_mean_of_frequ_body_accel_std_z \ \dots $	36
Distribution	36
Summary statistics	36
$grouped_studentactivity_mean_of_frequ_body_accel_mean_freq_x\ .\ .\ .\ .\ .\ .\ .\ .$	36
Distribution	37
Summary statistics	37
$grouped_studentactivity_mean_of_frequ_body_accel_mean_freq_y\ .\ .\ .\ .\ .\ .\ .$	37
Distribution	37
Summary statistics	37
$grouped_studentactivity_mean_of_frequ_body_accel_mean_freq_z\ .\ .\ .\ .\ .\ .\ .\ .$	37
Distribution	38
Summary statistics	38
$grouped_studentactivity_mean_of_frequ_body_accel_jerk_mean_x\ .\ .\ .\ .\ .\ .\ .\ .$	38
Distribution	38
Summary statistics	38
$grouped_studentactivity_mean_of_frequ_body_accel_jerk_mean_y\ .\ .\ .\ .\ .\ .\ .$	38
Distribution	39
Summary statistics	39
$grouped_studentactivity_mean_of_frequ_body_accel_jerk_mean_z\ .\ .\ .\ .\ .\ .\ .$	39
Distribution	36
Summary statistics	39
$grouped_studentactivity_mean_of_frequ_body_accel_jerk_std_x \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $	39
Distribution	40
Summary statistics	40
$grouped_studentactivity_mean_of_frequ_body_accel_jerk_std_y \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $	40
Distribution	40
Summary statistics	40
$grouped_studentactivity_mean_of_frequ_body_accel_jerk_std_z \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $	40
Distribution	41
Summary statistics	41

grouped_studentactivity_mean_of_frequ_body_accel_jerk_mean_freq_x	41
Distribution	41
Summary statistics	41
$grouped_studentactivity_mean_of_frequ_body_accel_jerk_mean_freq_y \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $	41
Distribution	42
Summary statistics	42
$grouped_studentactivity_mean_of_frequ_body_accel_jerk_mean_freq_z\ .\ .\ .\ .\ .\ .$	42
Distribution	42
Summary statistics	42
$grouped_studentactivity_mean_of_frequ_body_gyro_mean_x \ \dots \dots \dots \dots \dots \dots$	42
Distribution	43
Summary statistics	43
$grouped_studentactivity_mean_of_frequ_body_gyro_mean_y \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $	43
Distribution	43
Summary statistics	43
$grouped_studentactivity_mean_of_frequ_body_gyro_mean_z \ \dots \dots \dots \dots \dots \dots$	43
Distribution	44
Summary statistics	44
$grouped_studentactivity_mean_of_frequ_body_gyro_std_x . \ . \ . \ . \ . \ . \ . \ . \ . \ .$	44
Distribution	44
Summary statistics	44
$grouped_studentactivity_mean_of_frequ_body_gyro_std_y \ \ . \ . \ . \ . \ . \ . \ . \ . \ . $	44
Distribution	45
Summary statistics	45
$grouped_studentactivity_mean_of_frequ_body_gyro_std_z \ \dots $	45
Distribution	45
Summary statistics	45
$grouped_studentactivity_mean_of_frequ_body_gyro_mean_freq_x \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $	45
Distribution	46
Summary statistics	46
$grouped_studentactivity_mean_of_frequ_body_gyro_mean_freq_y \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $	46
Distribution	46
Summary statistics	46
$grouped_studentactivity_mean_of_frequ_body_gyro_mean_freq_z \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $	46
Distribution	47
Summary statistics	47

grouped_studentactivity_mean_of_frequ_body_accel_magn_mean	47
Distribution	47
Summary statistics	47
$grouped_studentactivity_mean_of_frequ_body_accel_magn_std\ .\ .\ .\ .\ .\ .\ .\ .\ .$	47
Distribution	48
Summary statistics	48
$grouped_studentactivity_mean_of_frequ_body_accel_magn_mean_freq \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $	48
Distribution	48
Summary statistics	48
$grouped_studentactivity_mean_of_frequ_body_body_accel_jerk_magn_mean . \ . \ . \ . \ . \ .$	48
Distribution	49
Summary statistics	49
$grouped_studentactivity_mean_of_frequ_body_body_accel_jerk_magn_std\ .\ .\ .\ .\ .\ .$	49
Distribution	49
Summary statistics	49
$grouped_studentactivity_mean_of_frequ_body_body_accel_jerk_magn_mean_freq \ . \ . \ .$	50
Distribution	50
Summary statistics	50
$grouped_studentactivity_mean_of_frequ_body_body_gyro_magn_mean \ . \ . \ . \ . \ . \ . \ . \ .$	51
Distribution	51
Summary statistics	51
$grouped_studentactivity_mean_of_frequ_body_body_gyro_magn_std \ . \ . \ . \ . \ . \ . \ . \ . \ . \ $	51
Distribution	51
Summary statistics	52
$grouped_studentactivity_mean_of_frequ_body_body_gyro_magn_mean_freq\ .\ .\ .\ .\ .$	52
Distribution	52
Summary statistics	52
$grouped_studentactivity_mean_of_frequ_body_body_gyro_jerk_magn_mean\ .\ .\ .\ .\ .$	52
Distribution	53
Summary statistics	53
$grouped_studentactivity_mean_of_frequ_body_body_gyro_jerk_magn_std~.~.~.~.$	53
Distribution	53
Summary statistics	53
$grouped_studentactivity_mean_of_frequ_body_body_gyro_jerk_magn_mean_freq\ .\ .\ .\ .$	54
Distribution	54
Summary statistics	54

```
54
   grouped_studentactivity_mean_of_angle_timeof_body_accel_jerk_mean_gravity_mean .
       55
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       grouped studentactivity mean of angle time of body gyro jerk mean gravity mean.
       56
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       57
 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_grouped.rds")</pre>
# omit the following lines, if your missing values are already properly labelled
codebook_data <- detect_missing(codebook_data,</pre>
  only labelled = TRUE, # only labelled values are autodetected as
                  # missing
  negative_values_are_missing = FALSE, # negative values are missing values
  ninety_nine_problems = TRUE, # 99/999 are missing values, if they
```

grouped studentactivity mean of angle timeof body accel mean gravity

)

codebook_data <- detect_scales(codebook_data)</pre>

are more than 5 MAD from the median

Create codebook

codebook(codebook data)

No missing values.

Metadata

Description Dataset name: Grouped Accelerometer Standard Deviation and Mean Data by Student and Activity

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/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

grouped_activity

Grouped activity

Distribution 0 missing values.

Summary statistics

name	label	data_type	n_missing	complete_rate	n_unique	empty	min	max	white
grouped_activity	Grouped activity	character	0	1	6	0	6	18	

$grouped_subject$

Grouped subject

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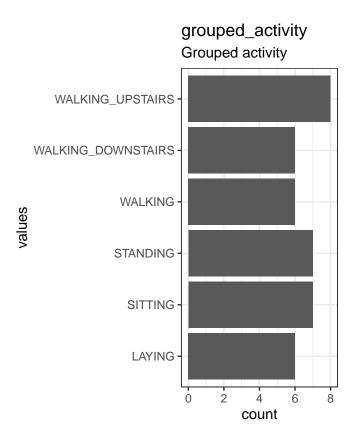


Figure 1: Distribution of values for grouped_activity

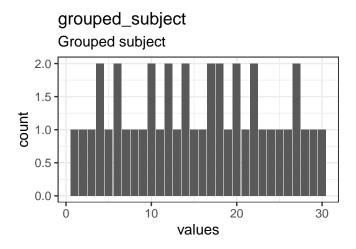


Figure 2: Distribution of values for grouped_subject

Distribution 0 missing values.

Summary statistics

name	label	data_type	n_missing	complete_rate	min	median	max	mean	sd
grouped_subject	Grouped subject	numeric	0	1	1	16	30	15.375	8.347232

$grouped_studentactivity_mean_of_timeof_body_accel_mean_x$

The mean of data grouped by student and activity for time domains signal (50Hz const rate), body acceleration mean X axis,

grouped_studentactivity_mean_of_time The mean of data grouped by student and activity for time domains signal (50Hz const rate), body acceleration mean X axis,

0.265 0.270 0.275 0.280 values

Figure 3: Distribution of values for grouped_studentactivity_mean_of_timeof_body_accel_mean_x

Distribution 0 missing values.

Summary statistics

name	label	data	thy	ypmeiss	oingp]	le tn i	n rat e	li an na	xmea	n sd	hist
grouped	studentactRheymeacanf_dataigreoupedoldy_accel_student and activity for time domains signal (50Hz const rate),	nean	<u>er</u> ic	c0	1	0.2	270.28	0.2	80.27	437.80	39049
	body acceleration mean X axis,										

grouped_studentactivity_mean_of_timeof_body_accel_mean_y

The mean of data grouped by student and activity for time domains signal (50Hz const rate), body acceleration mean Y axis,

grouped_studentactivity_mean_of_time The mean of data grouped by student and activity for time domains signal (50Hz const rate), body acceleration mean Y axis,

Figure 4: Distribution of values for grouped_studentactivity_mean_of_timeof_body_accel_mean_y

Summary statistics

Distribution 0 missing values.

name	label	data_ n yp	meissoingpl	e ta iı	rabe	edi ann a:	x mean	sd	hist
grouped_studen	nean <u>erj</u> c() 1	0.0	- 210.0	- 0180.01	- 130.017	0.00.	17419	

grouped_studentactivity_mean_of_timeof_body_accel_mean_z

The mean of data grouped by student and activity for time domains signal (50Hz const rate), body acceleration mean Z axis,

Distribution 0 missing values.

The mean of data grouped by student and activity for time domains signal (50Hz const rate), body acceleration mean Z axis,

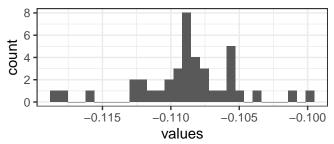


Figure 5: Distribution of values for grouped_studentactivity_mean_of_timeof_body_accel_mean_z

Summary statistics

name	label	data_	hypeis	s ing p	le ta iı	nrame	di an na	xmeai	n sd	hist
grouped_stude	ntact Rhit ym nac an <u>f</u>	n ean e	r i c0	1	-	-	-	-	0.00	37075
student and activity for time					0.1	2 0.1	1 0.1	0.108	37596	
	domains signal (50Hz const rate),									
	body acceleration mean Z axis,									

grouped_studentactivity_mean_of_timeof_body_accel_std_x

The mean of data grouped by student and activity for time domains signal (50Hz const rate), body acceleration standard deviation X axis,

grouped_studentactivity_mean_of_time

The mean of data grouped by student and activity for time domains signal (50Hz const rate), body acceleration standard deviation X axis.

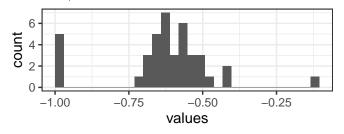


Figure 6: Distribution of values for grouped_studentactivity_mean_of_timeof_body_accel_std_x

Distribution 0 missing values.

The mean of data grouped by student and activity for time domains signal (50Hz const rate), body acceleration standard deviation Y axis,

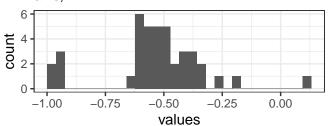


Figure 7: Distribution of values for grouped_studentactivity_mean_of_timeof_body_accel_std_y

Summary statistics

name	label	data_ t	ypeissin	ngpl	e ta <u>in</u>	ramed	i an naxn	nean	sd	hist
grouped_student	activitynement defa timented by student and activity for time domains signal (50Hz const rate), body acceleration standard deviation Y axis,	st d<u>ur</u>y eri	ic0	1	0.97		0.12		-	18708

grouped_studentactivity_mean_of_timeof_body_accel_std_z

The mean of data grouped by student and activity for time domains signal (50Hz const rate), body acceleration standard deviation Z axis,

grouped_studentactivity_mean_of_time

The mean of data grouped by student and activity for time domains signal (50Hz const rate), body acceleration standard deviation Z axis.

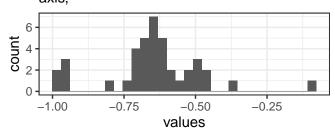


Figure 8: Distribution of values for grouped_studentactivity_mean_of_timeof_body_accel_std_z

Distribution 0 missing values.

The mean of data grouped by student and activity for time domains signal (50Hz const rate), gravity acceleration mean X axis,

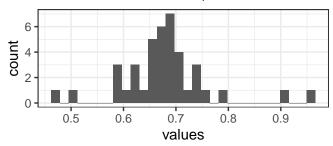


Figure 9: Distribution of values for grouped_studentactivity_mean_of_timeof_gravity_accel_mean_x

Summary statistics

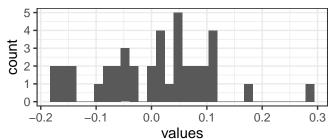
name	label	data_nt	ypeissi	ngpl	le tn<u>in</u>rate li an axmean	sd	hist
grouped_student	actRhtymnacanf datatigreuped by ity_accestudent and activity for time domains signal (50Hz const rate), gravity acceleration mean X axis,	l <u>n</u> meæni	i <u>c</u> &	1	0.480.67 0.960.678	9863	49809

grouped_studentactivity_mean_of_timeof_gravity_accel_mean_y

The mean of data grouped by student and activity for time domains signal (50Hz const rate), gravity acceleration mean Y axis,

grouped_studentactivity_mean_of_time

The mean of data grouped by student and activity for time domains signal (50Hz const rate), gravity acceleration mean Y axis,



 $Figure~10:~Distribution~of~values~for~grouped_student activity_mean_of_timeof_gravity_accel_mean_y$

Distribution 0 missing values.

The mean of data grouped by student and activity for time domains signal (50Hz const rate), gravity acceleration mean Z axis,

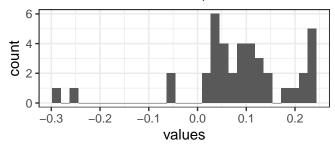


Figure 11: Distribution of values for grouped_studentactivity_mean_of_timeof_gravity_accel_mean_z

Summary statistics

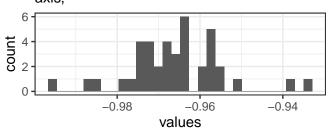
name	label da	ata_ntypneissonnepletneinrantedianaxmean sd hist
grouped_stud	${ m lentact}$ R ${ m lit}$ y ${ m m}$ eac ${ m an}$ f oblitatigne of peghawity _accel _nr	mesenic@ 1 - 0.0920.240.0862523330867
	student and activity for time	0.28
	domains signal (50Hz const rate),	
	gravity acceleration mean Z axis,	

grouped_studentactivity_mean_of_timeof_gravity_accel_std_x

The mean of data grouped by student and activity for time domains signal (50Hz const rate), gravity acceleration standard deviation X axis,

grouped_studentactivity_mean_of_time

The mean of data grouped by student and activity for time domains signal (50Hz const rate), gravity acceleration standard deviation X axis.



 $Figure~12:~Distribution~of~values~for~grouped_studentactivity_mean_of_timeof_gravity_accel_std_x$

Distribution 0 missing values.

	17											
name	label	data	thy	peissi	ng pl	e tn i	nrat	eli an a:	x me	an	sd	hist
grouped	_studentacThvity <u>ne</u> meanfi <u>dafa timoenfedgbyvistyndant</u> e	_attdne	erio	e0	1	-	-	-		_	0.01	1541
	1					1	0.0	7 0 0	200	CE	าวกร	

The mean of data grouped by student and activity for time domains signal (50Hz const rate), gravity acceleration standard deviation Y axis,

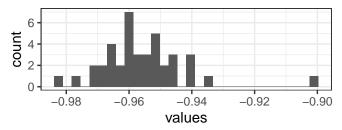


Figure 13: Distribution of values for grouped_studentactivity_mean_of_timeof_gravity_accel_std_y

Summary statistics

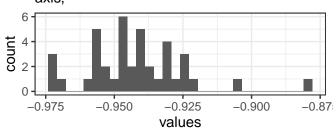
name	label	data_	<u>hy</u> j	peiss	o ing pl	le tæ ir	rancec	lianna	xmeai	n sd	hist
grouped_student	acFluityneamenfi dofa timenfedghavityndantel and activity for time domains signal (50Hz const rate), gravity acceleration standard deviation Y axis,	atd ne	yric()	0	1		- 8 0.96			0.0-	34074

grouped_studentactivity_mean_of_timeof_gravity_accel_std_z

The mean of data grouped by student and activity for time domains signal (50Hz const rate), gravity acceleration standard deviation Z axis,

grouped_studentactivity_mean_of_time

The mean of data grouped by student and activity for time domains signal (50Hz const rate), gravity acceleration standard deviation Z axis.



 $Figure~14:~Distribution~of~values~for~grouped_studentactivity_mean_of_timeof_gravity_accel_std_z$

Distribution 0 missing values.

1	8

The mean of data grouped by student and activity for time domains signal (50Hz const rate), body acceleration jerk mean X axis,

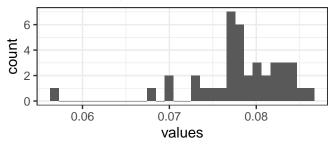


Figure 15: Distribution of values for grouped_studentactivity_mean_of_timeof_body_accel_jerk_mean_x

Summary statistics

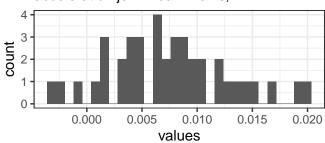
name	label	data_ntype	nissoi	ngp	le tn<u>in</u>ratne di an ax mea	n sd	hist
grouped_studenta	ctRitymeacanf datatigreoupedoldy_accel_student and activity for time domains signal (50Hz const rate), body acceleration jerk mean X axis,	j enk<u>m</u>enica (n	X	1	0.0570.0780.0870.07	781 3.39	54208

grouped_studentactivity_mean_of_timeof_body_accel_jerk_mean_y

The mean of data grouped by student and activity for time domains signal (50Hz const rate), body acceleration jerk mean Y axis,

grouped_studentactivity_mean_of_time

The mean of data grouped by student and activity for time domains signal (50Hz const rate), body acceleration jerk mean Y axis,



 $Figure~16:~Distribution~of~values~for~grouped_student activity_mean_of_timeof_body_accel_jerk_mean_y$

$\textbf{Distribution} \quad 0 \text{ missing values}.$

~ carara	<i>y</i> = 5000250105	19							
name	label	dat	a_ hyp r	aissi	ngpl	e tre ii	nramedianaxmean	sd	hist
grouped	_studentactRheymeacanf_dofatatigmeoupedoldyv_	_accel_jendko	n eniea 0n	у	1	-	0.0072.020.0074	5.45 5	$\overline{54544}$

The mean of data grouped by student and activity for time domains signal (50Hz const rate), body acceleration jerk mean Z axis,

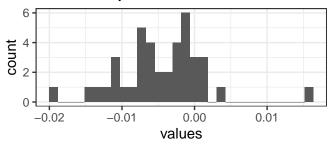


Figure 17: Distribution of values for grouped_studentactivity_mean_of_timeof_body_accel_jerk_mean_z

Summary statistics

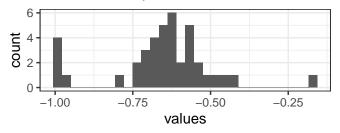
name	label	data_ n yprai	issòı	ngp	le ta ir	rane	diannax	mear	n sd	hist
grouped_stude	entactRheymencanf_doltatigneoupedoldy_accel	_jentkmenica0n_	z	1						
	student and activity for time				0.02	$2\ 0.0$	04 (0.004	14584	
	domains signal (50Hz const rate),									
	body acceleration jerk mean Z axis,									

grouped_studentactivity_mean_of_timeof_body_accel_jerk_std_x

The mean of data grouped by student and activity for time domains signal (50Hz const rate), body acceleration jerk standard deviation X axis,

grouped_studentactivity_mean_of_time

The mean of data grouped by student and activity for time domains signal (50Hz const rate), body acceleration jerk standard deviation X axis,



 $Figure~18:~Distribution~of~values~for~grouped_student activity_mean_of_timeof_body_accel_jerk_std_x$

Distribution 0 missing values.

The mean of data grouped by student and activity for time domains signal (50Hz const rate), body acceleration jerk standard deviation Y axis,

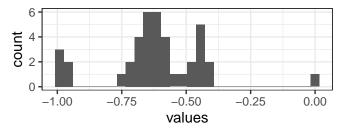


Figure 19: Distribution of values for grouped_studentactivity_mean_of_timeof_body_accel_jerk_std_y

Summary statistics

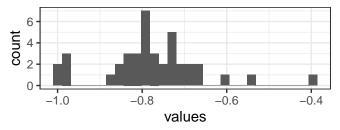
name labe	l	data_{-}	nypenisson	ngpl	e tæ <u>in</u>	ranced	i an ax me	ean sd	hist
and (50F	<u>xneanean dafa timenfed bylystudent</u> activity for time domains signal Iz const rate), body acceleration standard deviation Y axis,	_je rk<u>un</u>se	rli <u>c@</u>	1	0.99	0.62	0.0041	- 0.18 3208116	

grouped_studentactivity_mean_of_timeof_body_accel_jerk_std_z

The mean of data grouped by student and activity for time domains signal (50Hz const rate), body acceleration jerk standard deviation Z axis,

grouped_studentactivity_mean_of_time

The mean of data grouped by student and activity for time domains signal (50Hz const rate), body acceleration jerk standard deviation Z axis.



 $Figure~20:~Distribution~of~values~for~grouped_student activity_mean_of_timeof_body_accel_jerk_std_z$

Distribution 0 missing values.

The mean of data grouped by student and activity for time domains signal (50Hz const rate), body gyroscope 3–axial raw signal mean X axis,

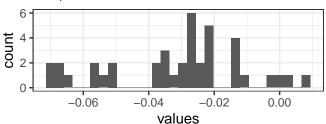


Figure 21: Distribution of values for grouped_studentactivity_mean_of_timeof_body_gyro_mean_x

Summary statistics

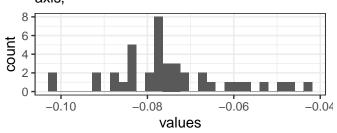
name	label	data_	typeiss	i ng pl	e ta ir	ırahe	dianna	ax mear	n sd	hist
grouped_studen	ta Thetyneanean dofa timenfed by dystudent rand activity for time domains signal (50Hz const rate), body gyroscope 3-axial raw signal mean X axis,	n ean <u>n</u> e	ric0	1		- 7 0.0		0078 - 0.031		06417

grouped_studentactivity_mean_of_timeof_body_gyro_mean_y

The mean of data grouped by student and activity for time domains signal (50Hz const rate), body gyroscope 3-axial raw signal mean Y axis,

grouped_studentactivity_mean_of_time

The mean of data grouped by student and activity for time domains signal (50Hz const rate), body gyroscope 3–axial raw signal mean Y axis.



 $Figure~22:~Distribution~of~values~for~grouped_studentactivity_mean_of_timeof_body_gyro_mean_y$

Distribution 0 missing values.

റ	ϵ

The mean of data grouped by student and activity for time domains signal (50Hz const rate), body gyroscope 3–axial raw signal mean Z axis,

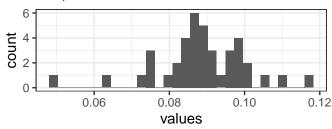


Figure 23: Distribution of values for grouped_studentactivity_mean_of_timeof_body_gyro_mean_z

Summary statistics

name	label	lata_ nypn iss	o ing p	le tre <u>in</u> rathediamaxmean sd	hist
grouped_stud	entacEhetyneanean desta timenssedbylystuglent mean and activity for time domains signal (50Hz const rate), body gyroscope 3-axial raw signal mean Z axis,	n <u>um</u> zeric0	1	0.0480.0880.120.088404.02	2062

grouped_studentactivity_mean_of_timeof_body_gyro_std_x

The mean of data grouped by student and activity for time domains signal (50Hz const rate), body gyroscope 3-axial raw signal standard deviation X axis,

grouped_studentactivity_mean_of_time

The mean of data grouped by student and activity for time domains signal (50Hz const rate), body gyroscope 3–axial raw signal standard deviation X axis,

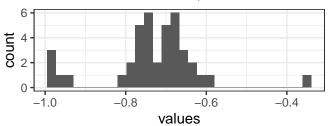


Figure 24: Distribution of values for grouped_studentactivity_mean_of_timeof_body_gyro_std_x

Distribution 0 missing values.

		23							
name	label	data <u>nt</u> y.	nėssim	glet	ėnna	etkiano	axme	an sd	hist
grouped		a.ca_gnionupodd_bydst_uggyrrb_std_nxmei0c	1					0.1	

The mean of data grouped by student and activity for time domains signal (50Hz const rate), body gyroscope 3–axial raw signal standard deviation Y axis,

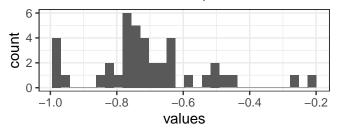


Figure 25: Distribution of values for grouped_studentactivity_mean_of_timeof_body_gyro_std_y

Summary statistics

name	label	data <u>nty</u> poéssing leté <u>n met</u> léanax means dhist
grouped	studenta Etivityeam eand a tal gliou godd by dytudynt sand activity for time domains signal (50Hz const rate), body gyroscope 3-axial raw signal standard deviation Y axis,	td <u>ny</u> mei 0 c 1 0.1716727 0.990.73 0.220.702843

grouped_studentactivity_mean_of_timeof_body_gyro_std_z

The mean of data grouped by student and activity for time domains signal (50Hz const rate), body gyroscope 3-axial raw signal standard deviation Z axis,

grouped_studentactivity_mean_of_time

The mean of data grouped by student and activity for time domains signal (50Hz const rate), body gyroscope 3–axial raw signal standard deviation Z axis,

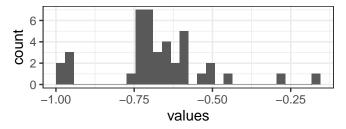
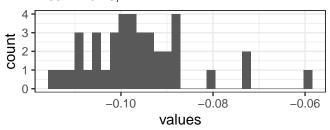


Figure 26: Distribution of values for grouped_studentactivity_mean_of_timeof_body_gyro_std_z

Distribution 0 missing values.

٠,	-/
Z	4
_	-

The mean of data grouped by student and activity for time domains signal (50Hz const rate), body gyroscope 3–axial raw signal jerk mean X axis,



 $Figure~27:~Distribution~of~values~for~grouped_student activity_mean_of_timeof_body_gyro_jerk_mean_x$

Distribution 0 missing values.

Summary statistics

name	label	data_	hypeis	o ing p	le ta in	rabe	di an na	x mea	n sd	hist
grouped_studen	tacEheitmennen dafa timenfedbylystuglent and activity for time domains signal (50Hz const rate), body gyroscope 3-axial raw signal jerk mean X axis,	_jenk <u>un</u> n€	æådO_x	1	0.11				0.01 63073	

$grouped_studentactivity_mean_of_timeof_body_gyro_jerk_mean_y$

The mean of data grouped by student and activity for time domains signal (50Hz const rate), body gyroscope 3-axial raw signal jerk mean Y axis,

grouped_studentactivity_mean_of_time

The mean of data grouped by student and activity for time domains signal (50Hz const rate), body gyroscope 3–axial raw signal jerk mean Y axis,

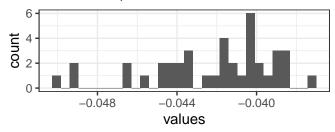


Figure 28: Distribution of values for grouped_studentactivity_mean_of_timeof_body_gyro_jerk_mean_y

Distribution 0 missing values.

The mean of data grouped by student and activity for time domains signal (50Hz const rate), body gyroscope 3–axial raw signal jerk mean Z axis,

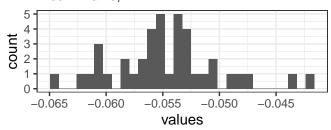


Figure 29: Distribution of values for grouped_studentactivity_mean_of_timeof_body_gyro_jerk_mean_z

Distribution 0 missing values.

Summary statistics

name	label	data_	hypeis	singp	le tre i	nrathe	edi an na	x mea	n sd	hist
grouped_st	udentac Theit<u>yne</u>anean i <u>dafa tijmenfed</u> b by lystuglenot_je	enk <u>ur</u> no	eraicrO_z	1	-	-	-	-	0.00	47822
and activity for time domains signal					0.0	0640.0	0550.04	420.054	4676	
	(50Hz const rate), body gyroscope									
	3-axial raw signal jerk mean Z axis,									

$grouped_studentactivity_mean_of_timeof_body_gyro_jerk_std_x$

The mean of data grouped by student and activity for time domains signal (50Hz const rate), body gyroscope 3-axial raw signal jerk standard deviation X axis,

grouped_studentactivity_mean_of_tim

The mean of data grouped by student and activity for time domains signal (50Hz const rate), body gyroscope 3–axial raw signal jerk standard deviation X axis,

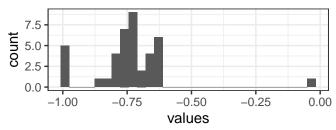


Figure 30: Distribution of values for grouped_studentactivity_mean_of_timeof_body_gyro_jerk_std_x

Distribution 0 missing values.

The mean of data grouped by student and activity for time domains signal (50Hz const rate), body gyroscope 3–axial raw signal jerk standard deviation Y axis,

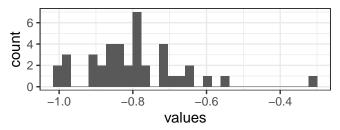


Figure 31: Distribution of values for grouped_studentactivity_mean_of_timeof_body_gyro_jerk_std_y

Distribution 0 missing values.

Summary statistics

name	label	data <u>nty</u> ppo	essim	glete <u>nn</u> æ	thianna	xmear	ı sd	hist
grouped_stude	ntaEhivinyeameandata griompoid by dytudynt j and activity for time domains signal (50Hz const rate), body gyroscope 3-axial raw signal jerk standard deviation Y axis,	erk <u>nu</u> ntad <u>ı0</u> y	1	0.990.8	- 1 0.3			346078

grouped_studentactivity_mean_of_timeof_body_gyro_jerk_std_z

The mean of data grouped by student and activity for time domains signal (50Hz const rate), body gyroscope 3-axial raw signal jerk standard deviation Z axis,

Distribution 0 missing values.

name	label	data <u>nty</u>	ėssim	gle	ntien nne	thiannax	mea	n sd	hist
grouped_stude	ntaPhivinyeameandata ghiomand by dytudynt jo and activity for time domains signal (50Hz const rate), body gyroscope 3-axial raw signal jerk standard deviation Z axis,	erk <u>nu</u> ntnde <u>nO</u> z	1	- 0	-).990.7	- 6 0.05		_	 596695 }

The mean of data grouped by student and activity for time domains signal (50Hz const rate), body gyroscope 3–axial raw signal jerk standard deviation Z axis,

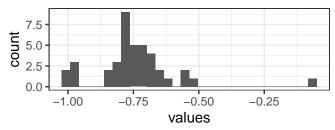


Figure 32: Distribution of values for grouped_studentactivity_mean_of_timeof_body_gyro_jerk_std_z

grouped_studentactivity_mean_of_timeof_body_accel_magn_mean

The mean of data grouped by student and activity for time domains signal (50Hz const rate), body acceleration euclidean norm magnitude mean

grouped_studentactivity_mean_of_tim

The mean of data grouped by student and activity for time domains signal (50Hz const rate), body acceleration euclidean norm magnitude mean

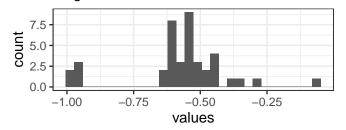


Figure 33: Distribution of values for grouped_studentactivity_mean_of_timeof_body_accel_magn_mean

Distribution 0 missing values.

Summary statistics

name	label	data_ n ypmai	ssingp	let <u>ai</u> i	rane	diamax	mear	n sd	hist
grouped_studer	tacEhetyneanewh defa timenfedbbylystudent and activity for time domains signal (50Hz const rate), body acceleration euclidean norm magnitude mean	_m agn _e nic &n	1	0.9			- 550.573	0.184 3165	48734

${\tt grouped_studentactivity_mean_of_timeof_body_accel_magn_std}$

The mean of data grouped by student and activity for time domains signal (50Hz const rate), body acceleration euclidean norm magnitude standard deviation

The mean of data grouped by student and activity for time domains signal (50Hz const rate), body acceleration euclidean norm magnitude standard deviation

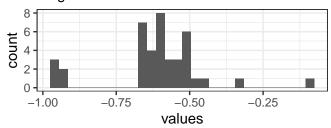


Figure 34: Distribution of values for grouped_studentactivity_mean_of_timeof_body_accel_magn_std

name	label	data <u>nty</u> ppo	essim	gletiennet	de anna xm	ean sd hist
grouped_stude	nta Ethevinyeam extra data griomental by dytudentel and activity for time domains signal (50Hz const rate), body acceleration euclidean norm magnitude standard deviation	ma gu<u>m</u>stú k	1	0.970.6		- 0.1677224 6124787

grouped studentactivity mean of timeof gravity accel magn mean

The mean of data grouped by student and activity for time domains signal (50Hz const rate), gravity acceleration euclidean norm magnitude mean

grouped_studentactivity_mean_of_tim The mean of data grouped by student and activity for time domains signal (50Hz const rate), gravity acceleration euclidean norm magnitude mean 7.5 5.0 2.5 0.0 -0.75 -0.50 values

Figure 35: Distribution of values for grouped_studentactivity_mean_of_timeof_gravity_accel_magn_mean **Distribution** 0 missing values.

name	label	29	data_{-}	ny pre issi	ngpl	e te ir	rabe	di an az	k mean	sd	hist
$\overline{\text{grouped}}$	studentactKlitymeacanf dataign	reoupeghabyits,t <u>u</u> denel_	magne	r in θan	1	-	-	-	-	0.184	18734
	and activity for time	0				0.98	8 0.5	4 0.05	550.573	165	

The mean of data grouped by student and activity for time domains signal (50Hz const rate), gravity acceleration euclidean norm magnitude standard deviation

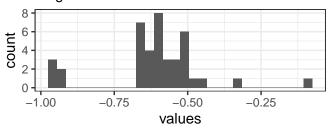


Figure 36: Distribution of values for grouped_studentactivity_mean_of_timeof_gravity_accel_magn_std

name	label	data <u>nty</u> ppo	essim	gletien	mæt	hi a ma	xmeai	ı sd	hist
grouped_studen	tace the type means do for type process that type and activity for time domains signal (50Hz const rate), gravity acceleration euclidean norm magnitude standard deviation	m agun<u>n</u>es© d	1	0.97		0.1	0.612	0	— 677224

$grouped_studentactivity_mean_of_timeof_body_accel_jerk_magn_mean$

The mean of data grouped by student and activity for time domains signal (50Hz const rate), body acceleration jerk euclidean norm magnitude mean

$grouped_studentactivity_mean_of_tim \varepsilon$

The mean of data grouped by student and activity for time domains signal (50Hz const rate), body acceleration jerk euclidean norm magnitude mean

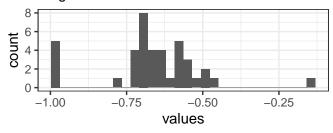


Figure 37: Distribution of values for grouped_studentactivity_mean_of_timeof_body_accel_jerk_magn_mean

Distribution 0 missing values.

name	label	30	data <u>nty</u>	néssingle	ntien nne	thiama	xmean s	d hist
grouped_str	udentact Tdit ym eac an <u>f</u> ob	tati gmeou fpeldoldyy <u>staudeht</u> je:	rka <u>umen@</u> n_	_m d an -	-	-	- 0	.1608982
and activity for time domains signal 0.990.66 0.150.66542							39	

The mean of data grouped by student and activity for time domains signal (50Hz const rate), body acceleration jerk euclidean norm magnitude standard deviation

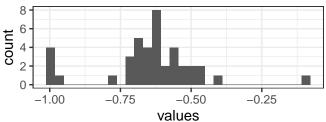


Figure 38: Distribution of values for grouped_studentactivity_mean_of_timeof_body_accel_jerk_magn_std

name	label		data <u>nty</u> ppiessin	ngletë <u>n m</u> a	ethamax	mear	ı sd	hist
grouped_s	and activity for (50Hz const ra	of a time pfed by student r time domains signal te), body acceleration norm magnitude tion	jerk <u>u</u> men@n_std		- 63 0.088			

grouped studentactivity mean of timeof body gyro magn mean

The mean of data grouped by student and activity for time domains signal (50Hz const rate), body gyroscope 3-axial raw signal euclidean norm magnitude mean

grouped_studentactivity_mean_of_time The mean of data grouped by student and activity for time domains signal (50Hz const rate), body gyroscope 3-axial raw signal euclidean norm magnitude mean

-0.50

values

-0.25

Figure 39: Distribution of values for grouped_studentactivity_mean_of_timeof_body_gyro_magn_mean

Distribution 0 missing values.

-0.75

-1.00

name	label	31	data <u>nty</u> poissimpletie <u>n</u> nathanaxmean sd						hist	
$\overline{\text{grouped}}$	_studentaEhievingeameandato	f_gtnionmepoeld_bysdsytudgenrto_	_ma gnu<u>m</u>nen©a n	1	-	-	-	-	0.16	
and activity for time domains signal					0.9	980.6	2 0.18	30.62	71788	3

The mean of data grouped by student and activity for time domains signal (50Hz const rate), body gyroscope 3–axial raw signal euclidean norm magnitude standard deviation

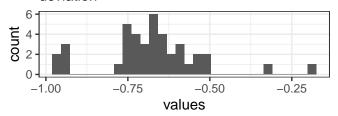


Figure 40: Distribution of values for grouped_studentactivity_mean_of_timeof_body_gyro_magn_std

Summary statistics

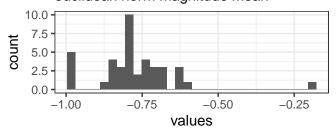
name	label	data <u>nty</u> ppiessyimgeletten <u>n</u> nathamaxmean sd hist
grouped_st	cudenta Etievingeam eand a tale gricom partid by dytudgant a modagn activity for time domains signal (50 Hz const rate), body gyroscope 3-axial raw signal euclidean norm magnitude standard deviation	<u>mustader0</u> ic 1 0.1555972 0.980.68 0.2 0.6787973

grouped_studentactivity_mean_of_timeof_body_gyro_jerk_magn_mean

The mean of data grouped by student and activity for time domains signal (50Hz const rate), body gyroscope 3-axial raw signal jerk euclidean norm magnitude mean

grouped_studentactivity_mean_of_tii

The mean of data grouped by student and activity for time domains signal (50Hz const rate), body gyroscope 3–axial raw signal jerk euclidean norm magnitude mean



 $Figure~41:~Distribution~of~values~for~grouped_student activity_mean_of_timeof_body_gyro_jerk_magn_timeof_body_gyro_jerk_magn_mean_of_timeof_body_gyro_jerk_magn_timeof_body_gyro_jerk_$

Distribution 0 missing values.

The mean of data grouped by student and activity for time domains signal (50Hz const rate), body gyroscope 3–axial raw signal jerk euclidean norm magnitude standard deviation

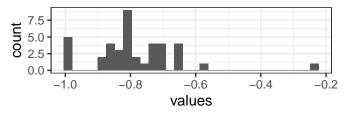


Figure 42: Distribution of values for grouped_studentactivity_mean_of_timeof_body_gyro_jerk_magn_std

Distribution 0 missing values.

Summary statistics

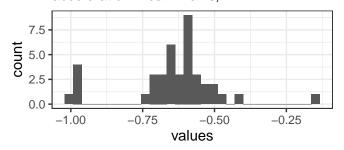
name	label	data <u>nty</u> ppiessimgletie <u>n</u> nætkinnaxmeansd hist
grouped_stud	lentaEhiwingeameandata griompord by dytudgart jerk mand activity for time domains signal (50Hz const rate), body gyroscope 3-axial raw signal jerk euclidean norm magnitude standard deviation	nmagnicstd 1 0.1346049 0.990.8 0.240.7867377

$grouped_studentactivity_mean_of_frequ_body_accel_mean_x$

The mean of data grouped by student and activity for fast fourier tranform frequecy signal, body acceleration mean X axis,

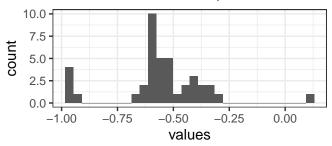
grouped_studentactivity_mean_of_fre

The mean of data grouped by student and activity for fast fourier tranform frequecy signal, body acceleration mean X axis,



 $Figure~43:~Distribution~of~values~for~grouped_studentactivity_mean_of_frequ_body_accel_mean_x$

The mean of data grouped by student and activity for fast fourier tranform frequecy signal, body acceleration mean Y axis,



 $Figure~44:~Distribution~of~values~for~grouped_studentactivity_mean_of_frequ_body_accel_mean_y$

Distribution 0 missing values.

Summary statistics

name	label	data_	nype issi	ongp]	le tn i	nramed	lianna	xmean	sd	hist
grouped_student	actRitymeacanf datargroupleddlyy accel_student and activity for fast fourier tranform frequecy signal, body acceleration mean Y axis,	m eau n <u>e</u>	yric0	1		- 8 0.56	-			49182

grouped_studentactivity_mean_of_frequ_body_accel_mean_z

The mean of data grouped by student and activity for fast fourier tranform frequecy signal, body acceleration mean Z axis,

grouped_studentactivity_mean_of_freq The mean of data grouped by student and activity for fast fourier tranform frequecy signal, body acceleration mean Z axis,

Figure 45: Distribution of values for grouped_studentactivity_mean_of_frequ_body_accel_mean_z

Distribution 0 missing values.

Summary statistics

name	label	data_	nypeissir	ngpl	e tn im	anned	iannax	mean	sd	hist
grouped_student	active tyne ane and defa frequence doldy _accel_student and activity for fast fourier transform frequecy signal, body acceleration mean Z axis,	nmænne:	r ż c0	1	0.98	0.69	0.27	- 0.690	00.	14694

$grouped_studentactivity_mean_of_frequ_body_accel_std_x$

The mean of data grouped by student and activity for fast fourier tranform frequecy signal, body acceleration standard deviation X axis,

grouped_studentactivity_mean_of_freq

The mean of data grouped by student and activity for fast fourier tranform frequecy signal, body acceleration standard deviation X axis.

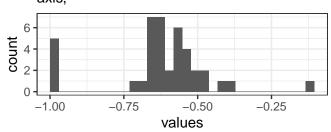


Figure 46: Distribution of values for grouped studentactivity mean of frequ_body_accel_std_x

Distribution 0 missing values.

Summary statistics

name	label	data_	ntypneissoi	ngpl	e tn in	ramed	li an nax	mean	sd	hist
grouped_studen	taEtiwityeameandata groupedbylystudent and activity for fast fourier transform frequecy signal, body acceleration standard deviation X axis,	_st ol umen	ric0	1		- 0 0.62		0.624		03561

grouped_studentactivity_mean_of_frequ_body_accel_std_y

The mean of data grouped by student and activity for fast fourier tranform frequecy signal, body acceleration standard deviation Y axis,

The mean of data grouped by student and activity for fast fourier tranform frequecy signal, body acceleration standard deviation Y axis,

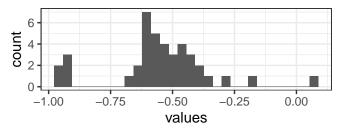


Figure 47: Distribution of values for grouped_studentactivity_mean_of_frequ_body_accel_std_y

Distribution 0 missing values.

Summary statistics

name	label	data_	nypeissi	ngp]	le tæ <u>ir</u>	rabec	li an nax n	nean	sd	hist
grouped_studen	tartiwityeameanland grouped bylyst adent and activity for fast fourier transform frequecy signal, body acceleration standard deviation Y axis,	stol <u>un</u> ne	ric0	1		- 7 0.54	0.059			 21521

$grouped_studentactivity_mean_of_frequ_body_accel_std_z$

The mean of data grouped by student and activity for fast fourier tranform frequecy signal, body acceleration standard deviation Z axis,

grouped_studentactivity_mean_of_freq

The mean of data grouped by student and activity for fast fourier tranform frequecy signal, body acceleration standard deviation Z axis,

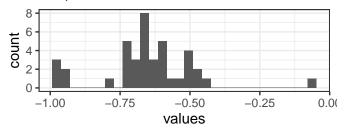
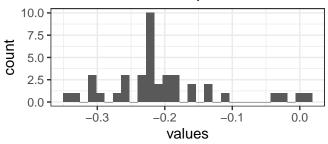


Figure 48: Distribution of values for grouped_studentactivity_mean_of_frequ_body_accel_std_z

Distribution 0 missing values.

The mean of data grouped by student and activity for fast fourier tranform frequecy signal, body acceleration mean freq X axis,



 $Figure~49:~Distribution~of~values~for~grouped_student activity_mean_of_frequ_body_accel_mean_freq_x$

Distribution 0 missing values.

Summary statistics

name	label	data_ntypo	e issón	ngpl	e tn <u>in</u>	ramed	li an nax n	nean	sd	hist
grouped_studenta	ctRitymeacanf datafrgrpupleddlyy accelstudent and activity for fast fourier transform frequecy signal, body acceleration mean freq X axis,	m eaun efinied)	_x	1		- 0.22		.204		

$grouped_studentactivity_mean_of_frequ_body_accel_mean_freq_y$

The mean of data grouped by student and activity for fast fourier tranform frequecy signal, body acceleration mean freq Y axis,

grouped_studentactivity_mean_of_freq The mean of data grouped by student and activity for fast fourier tranform frequecy signal, body acceleration mean freq Y axis,

 $Figure~50:~Distribution~of~values~for~grouped_student activity_mean_of_frequ_body_accel_mean_freq_y$

0.0

values

0.1

-0.1

Distribution 0 missing values.

0 ------

The mean of data grouped by student and activity for fast fourier tranform frequecy signal, body acceleration mean freq Z axis,

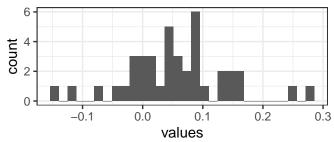


Figure 51: Distribution of values for grouped_studentactivity_mean_of_frequ_body_accel_mean_freq_z

Distribution 0 missing values.

Summary statistics

name	label	data_	hyperis	singp	le ta <u>in</u>	r ance di an axmean	sd	hist
grouped_studenta	ctRlitymeacanf datargrpupleddlyy_accel_student and activity for fast fourier transform frequecy signal, body acceleration mean freq Z axis,	_m eaun ne	firiecQ_z	1	0.14		54.6%	12046

$grouped_studentactivity_mean_of_frequ_body_accel_jerk_mean_x$

The mean of data grouped by student and activity for fast fourier tranform frequecy signal, body acceleration jerk mean X axis,

grouped_studentactivity_mean_of_freq

The mean of data grouped by student and activity for fast fourier tranform frequecy signal, body acceleration jerk mean X axis,

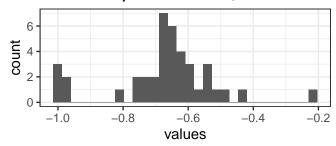


Figure 52: Distribution of values for grouped_studentactivity_mean_of_frequ_body_accel_jerk_mean_x

The mean of data grouped by student and activity for fast fourier tranform frequecy signal, body acceleration jerk mean Y axis,

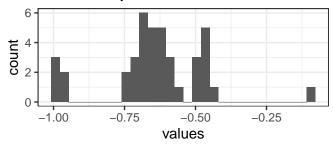


Figure 53: Distribution of values for grouped_studentactivity_mean_of_frequ_body_accel_jerk_mean_y

Distribution 0 missing values.

Summary statistics

name	label	data_ t	ypeiss	i ng pl	le te in	rante	li an nax	mean	sd	hist
grouped_student	actRitymeacanf of the group boddy accelstudent and activity for fast fourier transform frequecy signal, body acceleration jerk mean Y axis,	je rk<u>im</u>ne i	eco _y	1	- 0.99			- 70.641		41278

$grouped_studentactivity_mean_of_frequ_body_accel_jerk_mean_z$

The mean of data grouped by student and activity for fast fourier tranform frequecy signal, body acceleration jerk mean Z axis,

grouped_studentactivity_mean_of_freq

The mean of data grouped by student and activity for fast fourier tranform frequecy signal, body acceleration jerk mean Z axis,

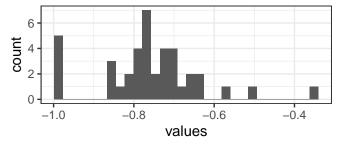


Figure 54: Distribution of values for grouped_studentactivity_mean_of_frequ_body_accel_jerk_mean_z

The mean of data grouped by student and activity for fast fourier tranform frequecy signal, body acceleration jerk standard deviation X axis,

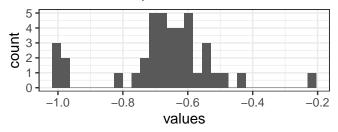


Figure 55: Distribution of values for grouped_studentactivity_mean_of_frequ_body_accel_jerk_std_x

Distribution 0 missing values.

Summary statistics

name	label	data_	tb	ypeis	esingp	le tæ <u>ir</u>	rabe	di am a	x mea	n sd	hist
grouped_st	cudentacEinetyneanean dofa groupedody staudeht jer and activity for fast fourier tranform frequecy signal, body acceleration jerk standard deviation X axis,	k <u>nu</u> sto	<u>dri</u>	iost)	1	0.99			- 1 0.66		577809 1

$grouped_studentactivity_mean_of_frequ_body_accel_jerk_std_y$

The mean of data grouped by student and activity for fast fourier tranform frequecy signal, body acceleration jerk standard deviation Y axis,

grouped_studentactivity_mean_of_fr

The mean of data grouped by student and activity for fast fourier tranform frequecy signal, body acceleration jerk standard deviation Y axis,

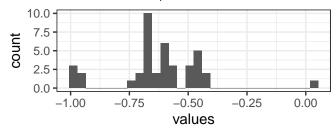


Figure 56: Distribution of values for grouped_studentactivity_mean_of_frequ_body_accel_jerk_std_y

The mean of data grouped by student and activity for fast fourier tranform frequecy signal, body acceleration jerk standard deviation Z axis,

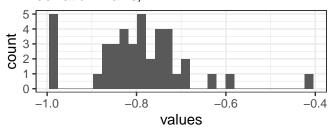


Figure 57: Distribution of values for grouped_studentactivity_mean_of_frequ_body_accel_jerk_std_z

Distribution 0 missing values.

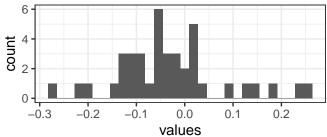
Summary statistics

name	label da	ata_ntypneissinneplenteinrantedinnax mean sd hist
grouped_stu	denta Thetyneane of defa groupe body stande htjerku and activity for fast fourier tranform frequecy signal, body acceleration jerk standard deviation Z axis,	ushdrig0 1 0.1115195 0.99 0.8 0.42 0.795403

$grouped_studentactivity_mean_of_frequ_body_accel_jerk_mean_freq_x$

The mean of data grouped by student and activity for fast fourier tranform frequecy signal, body acceleration jerk mean freq X axis,

grouped_studentactivity_mean_of_freq The mean of data grouped by student and activity for fast fourier tranform frequecy signal, body acceleration jerk mean freq X axis,



 $Figure~58:~Distribution~of~values~for~grouped_student activity_mean_of_frequ_body_accel_jerk_mean_freq_x$

Distribution 0 missing values.

41

The mean of data grouped by student and activity for fast fourier tranform frequecy signal, body acceleration jerk mean freq Y axis,

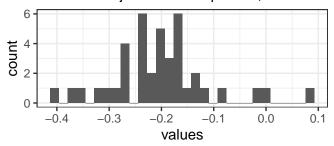


Figure 59: Distribution of values for grouped_studentactivity_mean_of_frequ_body_accel_jerk_mean_freq_y

Distribution 0 missing values.

Summary statistics

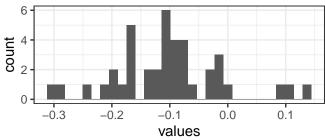
name	label	data_ntypnaissingplentain_matelianax mean sd	hist
grouped	l_studentacti \libye_nneea an <u>of</u> co <u>llataeegrou</u> p		$\frac{-}{1605}$
	student and activity for	fast fourier 0.4 0.2 0.2012586	
	tranform frequecy signal	, body	
	acceleration jerk mean fi	eq Y axis,	

grouped_studentactivity_mean_of_frequ_body_accel_jerk_mean_freq_z

The mean of data grouped by student and activity for fast fourier tranform frequecy signal, body acceleration jerk mean freq Z axis,

grouped_studentactivity_mean_of_freq

The mean of data grouped by student and activity for fast fourier tranform frequecy signal, body acceleration jerk mean freq Z axis,



 $Figure \ 60: \ Distribution \ of \ values \ for \ grouped_student activity_mean_of_frequ_body_accel_jerk_mean_freq_z$

Distribution 0 missing values.

42

The mean of data grouped by student and activity for fast fourier tranform frequecy signal, body gyroscope 3–axial raw signal mean X axis,

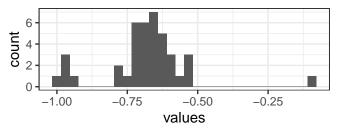


Figure 61: Distribution of values for grouped_studentactivity_mean_of_frequ_body_gyro_mean_x

Distribution 0 missing values.

Summary statistics

name	label	data_	nypei	ssingp	le ta i	nrat	ædi	iannax	mean	sd	hist
grouped_stude	ntaEhiwinyeameanlaba gireqpedbbylystuglernt me and activity for fast fourier tranform frequecy signal, body gyroscope 3-axial raw signal mean X axis,	eaun e	ric0	1				- 0.079	- 90.683	00	54216

$grouped_studentactivity_mean_of_frequ_body_gyro_mean_y$

The mean of data grouped by student and activity for fast fourier tranform frequecy signal, body gyroscope 3-axial raw signal mean Y axis,

grouped_studentactivity_mean_of_freq

The mean of data grouped by student and activity for fast fourier tranform frequecy signal, body gyroscope 3–axial raw signal mean Y axis,

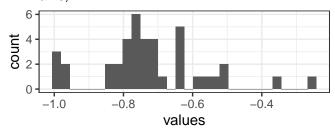


Figure 62: Distribution of values for grouped_studentactivity_mean_of_frequ_body_gyro_mean_y

Distribution 0 missing values.

43

The mean of data grouped by student and activity for fast fourier tranform frequecy signal, body gyroscope 3–axial raw signal mean Z axis,

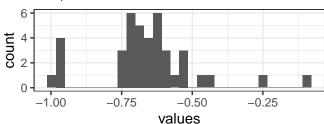


Figure 63: Distribution of values for grouped_studentactivity_mean_of_frequ_body_gyro_mean_z

Distribution 0 missing values.

Summary statistics

name	label da	ata_	hypneis	sing p	le ta i	nrat	ned	iannax	mea	n so	l hist
grouped_stud	enta Etiwithe a meandata from ped by stydent mean and activity for fast fourier transform frequecy signal, body gyroscope 3-axial raw signal mean Z axis,	n <u>m</u> ea	ric0	1	0.9				- 320.65		756924 3

$grouped_studentactivity_mean_of_frequ_body_gyro_std_x$

The mean of data grouped by student and activity for fast fourier tranform frequecy signal, body gyroscope 3-axial raw signal standard deviation X axis,

grouped_studentactivity_mean_of_freq

The mean of data grouped by student and activity for fast fourier tranform frequecy signal, body gyroscope 3–axial raw signal standard deviation X axis,

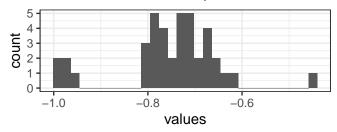


Figure 64: Distribution of values for grouped_studentactivity_mean_of_frequ_body_gyro_std_x

Distribution 0 missing values.

44

The mean of data grouped by student and activity for fast fourier tranform frequecy signal, body gyroscope 3–axial raw signal standard deviation Y axis,

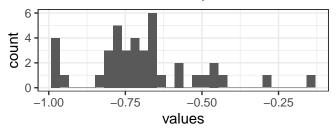


Figure 65: Distribution of values for grouped studentactivity mean of frequ body gyro std v

Distribution 0 missing values.

Summary statistics

name	label	data <u>nty</u>	ėssim	glet	ien mae	diamax	mear	ı sd	hist
grouped_stud	ententiviteannotalatofgrouped by tudento_s and activity for fast fourier transform frequecy signal, body gyroscope 3-axial raw signal standard deviation Y axis,	std <u>n</u> ymei 0 c	1			- 3 0.15		0	786708 3

$grouped_studentactivity_mean_of_frequ_body_gyro_std_z$

The mean of data grouped by student and activity for fast fourier tranform frequecy signal, body gyroscope 3-axial raw signal standard deviation Z axis,

grouped_studentactivity_mean_of_freq

The mean of data grouped by student and activity for fast fourier tranform frequecy signal, body gyroscope 3–axial raw signal standard deviation Z axis,

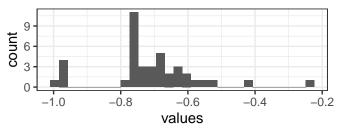
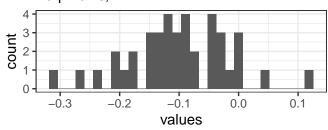


Figure 66: Distribution of values for grouped_studentactivity_mean_of_frequ_body_gyro_std_z

Distribution 0 missing values.

45

The mean of data grouped by student and activity for fast fourier tranform frequecy signal, body gyroscope 3–axial raw signal mean freq X axis,



 $Figure~67:~Distribution~of~values~for~grouped_studentactivity_mean_of_frequ_body_gyro_mean_freq_x$

Distribution 0 missing values.

Summary statistics

name	label	data_1	ntypneis	coingp	le tne in	rane	diannaxn	ıear	n sd hist
grouped_stu	ıdentac Elvet<u>yne</u>aneæf<u>i</u>daf<u>a</u> fgroqupelololyy stgydrentmean	n <u>u</u> fneq	<u>ic</u> ®	1	-	-	0.12	-	0.083553
	and activity for fast fourier tranform				0.3	1 0.1	0	.100	9106
	frequecy signal, body gyroscope 3-axial								
	raw signal mean freq X axis,								

$grouped_studentactivity_mean_of_frequ_body_gyro_mean_freq_y$

The mean of data grouped by student and activity for fast fourier tranform frequecy signal, body gyroscope 3-axial raw signal mean freq Y axis,

grouped_studentactivity_mean_of_freq

The mean of data grouped by student and activity for fast fourier tranform frequecy signal, body gyroscope 3–axial raw signal mean freq Y axis,

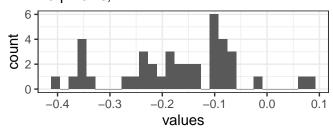


Figure 68: Distribution of values for grouped_studentactivity_mean_of_frequ_body_gyro_mean_freq_y

The mean of data grouped by student and activity for fast fourier tranform frequecy signal, body gyroscope 3–axial raw signal mean freq Z axis,

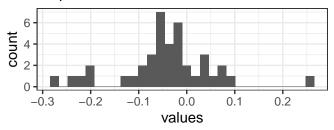


Figure 69: Distribution of values for grouped_studentactivity_mean_of_frequ_body_gyro_mean_freq_z

Distribution 0 missing values.

Summary statistics

name	label d	ata_ n ypaissingpleminramedianaxmean sd his
grouped_stu	dentacElvetyneaneanfidenfa fgrequupedoldy styydentmean and activity for fast fourier tranform	n <u>infreciç0</u> z 1 0.27 - 0.096558 0.27 0.044 0.0426206
	frequecy signal, body gyroscope 3-axial raw signal mean freq Z axis,	

$grouped_studentactivity_mean_of_frequ_body_accel_magn_mean$

The mean of data grouped by student and activity for fast fourier tranform frequecy signal, body acceleration euclidean norm magnitude mean

grouped_studentactivity_mean_of_freq

The mean of data grouped by student and activity for fast fourier tranform frequecy signal, body acceleration euclidean norm magnitude mean

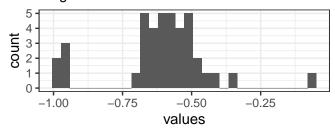


Figure 70: Distribution of values for grouped_studentactivity_mean_of_frequ_body_accel_magn_mean

The mean of data grouped by student and activity for fast fourier tranform frequecy signal, body acceleration euclidean norm magnitude standard deviation

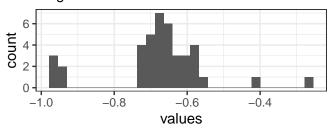


Figure 71: Distribution of values for grouped_studentactivity_mean_of_frequ_body_accel_magn_std

Distribution 0 missing values.

Summary statistics

name	label	data <u>nty</u> poiss simpletie <u>n n</u> ettien axmean sdhist
grouped_s	studenta Etievingeam eand a to green ed by dystument and activity for fast fourier transform frequecy signal, body acceleration euclidean norm magnitude standad eviation	rm 0.970.67 0.270.6779137

grouped studentactivity mean of frequ body accel magn mean freq

The mean of data grouped by student and activity for fast fourier tranform frequecy signal, body acceleration euclidean norm magnitude mean freq

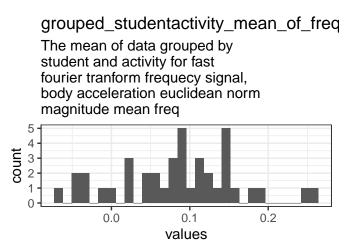


Figure 72: Distribution of values for grouped_studentactivity_mean_of_frequ_body_accel_magn_mean_freq

The mean of data grouped by student and activity for fast fourier tranform frequecy signal, body to body acceleration jerk euclidean norm magnitude mean

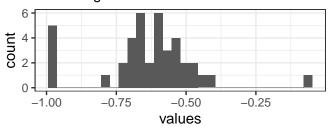


Figure 73: Distribution of values for grouped_studentactivity_mean_of_frequ_body_body_accel_jerk_magn_mean **Distribution** 0 missing values.

Summary statistics

name	label	data <u>nty</u> poessim glete <u>n met</u> leanax mean sd hist
grouped_studenta	ctRitymeacanf datargroupleddyy stordentace and activity for fast fourier tranform frequecy signal, body to body acceleration jerk euclidean norm magnitude mean	ceh <u>ujaeldic</u> magh_mean 0.17595 0.990.62 0.0760.6368899

grouped_studentactivity_mean_of_frequ_body_body_accel_jerk_magn_std

The mean of data grouped by student and activity for fast fourier tranform frequecy signal, body to body acceleration jerk euclidean norm magnitude standard deviation

Distribution 0 missing values.

name	label	data <u>ntympissimpletienmetian</u> axmeand hist
grouped_student	activityne ane wife defa igroupe words strollent account and activity for fast fourier transform frequecy signal, body to body acceleration jerk euclidean norm magnitude standard deviation	cel <u>n</u> ijænks <u>r0</u> enagnl_std 0.1664638 0.990.64 0.110.6550883

The mean of data grouped by student and activity for fast fourier tranform frequecy signal, body to body acceleration jerk euclidean norm magnitude standard deviation

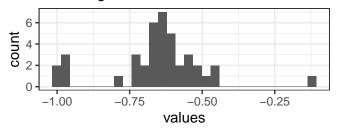


Figure 74: Distribution of values for grouped studentactivity mean of frequ body body accel jerk magn std

grouped_studentactivity_mean_of_frequ_body_body_accel_jerk_magn_mean_freq

The mean of data grouped by student and activity for fast fourier tranform frequecy signal, body to body acceleration jerk euclidean norm magnitude mean freq

grouped_studentactivity_mean_of_freq

The mean of data grouped by student and activity for fast fourier tranform frequecy signal, body to body acceleration jerk euclidean norm magnitude mean freq

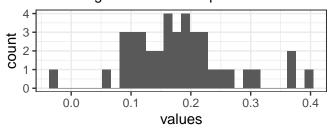


Figure 75: Distribution of values for grouped_studentactivity_mean_of_frequ_body_body_accel_jerk_magn_mean_freq

Distribution 0 missing values.

name	label	data <u>nty</u> ppiessimpelentin_ratedianaxmeansd hist
grouped	studentactivity inceanofodataegroup and activity for fast fou frequecy signal, body to acceleration jerk euclide magnitude mean freq	body

grouped_studentactivity_mean_of_frequ_body_body_gyro_magn_mean

The mean of data grouped by student and activity for fast fourier tranform frequecy signal, body to body gyroscope 3-axial raw signal euclidean norm magnitude mean

grouped_studentactivity_mean_of_fre The mean of data grouped by student and activity for fast fourier tranform frequecy signal, body to body gyroscope 3–axial raw signal euclidean norm magnitude mean 7.5 0.0 -1.00 -0.75 -0.50 values

Figure 76: Distribution of values for grouped_studentactivity_mean_of_frequ_body_body_gyro_magn_mean

Distribution 0 missing values.

Summary statistics

name	label	data <u>nty</u> poissing	gletienmet	k an axmea	n sd hist
grouped_student	activitynementi defa froup cloby student gyrdand activity for fast fourier tranform frequecy signal, body to body gyroscope 3-axial raw signal euclidean norm magnitude mean	o <u>nuagilic</u> mealn		- - 0.160.71	0.154265 02797

grouped_studentactivity_mean_of_frequ_body_body_gyro_magn_std

The mean of data grouped by student and activity for fast fourier tranform frequecy signal, body to body gyroscope 3-axial raw signal euclidean norm magnitude standard deviation

The mean of data grouped by student and activity for fast fourier tranform frequecy signal, body to body gyroscope 3–axial raw signal euclidean norm magnitude standard deviation

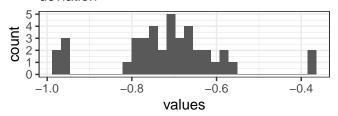


Figure 77: Distribution of values for grouped_studentactivity_mean_of_frequ_body_body_gyro_magn_std

Summary statistics

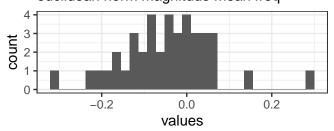
name	label	data <u>nty</u> pois	esimp	glenti	innet	iamaz	mea	md	hist
grouped_studen	ta Ethiwith eam eand a tal girequed by lyst hold by agy o activity for fast fourier transform frequecy signal, body to body gyroscope 3-axial raw signal euclidean norm magnitude standard deviation	_ maga<u>ı0</u>s td	1		- 980.71	- 0.38		0	 805885

grouped_studentactivity_mean_of_frequ_body_body_gyro_magn_mean_freq

The mean of data grouped by student and activity for fast fourier tranform frequecy signal, body to body gyroscope 3-axial raw signal euclidean norm magnitude mean freq

grouped_studentactivity_mean_of_freq

The mean of data grouped by student and activity for fast fourier tranform frequecy signal, body to body gyroscope 3–axial raw signal euclidean norm magnitude mean freq



Distribution 0 missing values.

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٠		١,	-
	•		

The mean of data grouped by student and activity for fast fourier tranform frequecy signal, body to body gyroscope 3–axial raw signal jerk euclidean norm magnitude mean

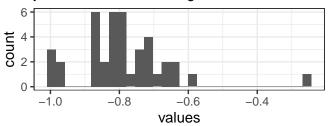


Figure 79: Distribution of values for grouped_studentactivity_mean_of_frequ_body_body_gyro_jerk_magn_mean

Distribution 0 missing values.

Summary statistics

name	label	data <u>nty</u> messingletenmet	hannaxmeansd hist
grouped_studen	tacElvitynemen dafa groupedody studyn gyr and activity for fast fourier tranform frequecy signal, body to body gyroscope 3-axial raw signal jerk euclidean norm magnitude mean		0.1326521 0.250.7885854

grouped studentactivity mean of frequ body body gyro jerk magn std

The mean of data grouped by student and activity for fast fourier tranform frequecy signal, body to body gyroscope 3-axial raw signal jerk euclidean norm magnitude standard deviation

grouped_studentactivity_mean_of_freq

The mean of data grouped by student and activity for fast fourier tranform frequecy signal, body to body gyroscope 3–axial raw signal jerk euclidean norm magnitude standard deviation

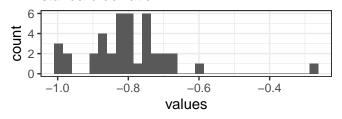


Figure 80: Distribution of values for grouped_studentactivity_mean_of_frequ_body_body_gyro_jerk_magn_std

grouped_studentactivity_mean_of_frequ_body_body_gyro_jerk_magn_mean_freq

The mean of data grouped by student and activity for fast fourier tranform frequecy signal, body to body gyroscope 3-axial raw signal jerk euclidean norm magnitude mean freq

grouped_studentactivity_mean_of_freq The mean of data grouped by student and activity for fast fourier tranform frequecy signal, body to body gyroscope 3-axial raw signal jerk euclidean norm magnitude mean freq

values

Distribution 0 missing values.

Summary statistics

name	label	${\rm data}\underline{\ ntypp \hbox{\it ics.simg}} \\ {\rm letten}\underline{\ rate} \\ {\rm lenax} \\ {\rm meansd}$	hist
grouped_stu	udentactRitymeacanf datafrgrpupleddlyy stordlentgyro and activity for fast fourier tranform frequecy signal, body to body gyroscope 3-axial raw signal jerk euclidean norm magnitude mean freq	_inrknen0tragn_1mean_ffedq3 0.330.1309/2018 0.008	_ ₹3794

grouped_studentactivity_mean_of_angle_timeof_body_accel_mean_gravity

The mean of data grouped by student and activity for angle of time domains signal (50Hz const rate), body acceleration mean gravity

Distribution 0 missing values.

The mean of data grouped by student and activity for angle of time domains signal (50Hz const rate), body acceleration mean gravity

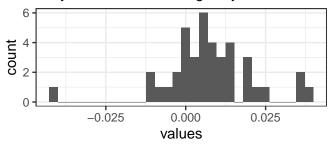


Figure 82: Distribution of values for grouped_studentactivity_mean_of_angle_timeof_body_accel_mean_gravity

name	label	data_ntypnaissonnepletneinrancedianax mean sd hist
$\overline{\text{grouped}}$	_studentactiv iF he mmean offdatagkrotipadobybod student and activity for angle of	y_acoelimieneiail_gravity - 0.0067.0380.00727.9642482 0.042
	time domains signal (50Hz const rate), body acceleration mean gravity	

grouped_studentactivity_mean_of_angle_timeof_body_accel_jerk_mean_gravity_mean

The mean of data grouped by student and activity for angle of time domains signal (50Hz const rate), body acceleration jerk mean gravity mean

grouped_studentactivity_mean_of_ang The mean of data grouped by student

and activity for angle of time domains signal (50Hz const rate), body acceleration jerk mean gravity

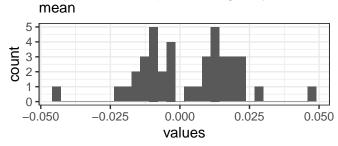


Figure 83: Distribution of values for grouped_studentactivity_mean_of_angle_timeof_body_accel_jerk_mean_gravity_m

Distribution 0 missing values.

name	label	55	data <u>nty</u> poëssim	gletien_ratedianaxmeansd	hist
grouped_stud	entactivit¶ <u>h</u> emeæa <u>n</u> ooff	dantgelegrøinpedf_b_body_	_acc el<u>u</u>njeerlû<u>c</u> mealn_	_gravi t y <u>0</u> 0 56.947 .003 2.3 8	
	student and a	ctivity for angle of		0.045	

The mean of data grouped by student and activity for angle of time domains signal (50Hz const rate), body gyroscope 3–axial raw signal mean gravity mean

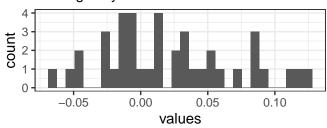


Figure 84: Distribution of values for grouped_studentactivity_mean_of_angle_timeof_body_gyro_mean_gravity_mean

Summary statistics

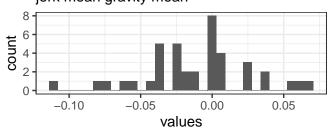
name	label	data <u>ntyupoissimp</u> letien_ratodianaxmeansd_h	- nist
grouped	studentactivity in mean of of a tang and activity for ang signal (50Hz constr gyroscope 3-axial ra gravity mean	rate), body	- 4675

grouped_studentactivity_mean_of_angle_timeof_body_gyro_jerk_mean_gravity_mean

The mean of data grouped by student and activity for angle of time domains signal (50Hz const rate), body gyroscope 3-axial raw signal jerk mean gravity mean

grouped_studentactivity_mean_of_ang

The mean of data grouped by student and activity for angle of time domains signal (50Hz const rate), body gyroscope 3–axial raw signal jerk mean gravity mean

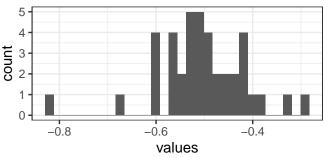


 $Figure~85:~Distribution~of~values~for~grouped_student activity_mean_of_angle_timeof_body_gyro_jerk_mean_gravity_mean_of_angle_timeof_body_gyro_jerk_mean_gravity_mean_of_angle_timeof_body_gyro_jerk_mean_gravity_mean_of_angle_timeof_body_gyro_jerk_mean_gravity_mean_of_angle_timeof_body_gyro_jerk_mean_gravity_mean_of_angle_timeof_body_gyro_jerk_mean_gravity_mean_of_angle_timeof_body_gyro_jerk_mean_gravity_mean_of_angle_timeof_body_gyro_jerk_mean_gravity_mean_of_angle_timeof_body_gyro_jerk_mean_gravity_mean_of_angle_timeof_body_gyro_jerk_mean_gravity_mean_of_angle_timeof_body_gyro_jerk_mean_gravity_mean_of_angle_timeof_body_gyro_jerk_mean_gravity_mean_of_angle_timeof_body_gyro_jerk_mean_gravity_gravity_gravity_mean_gravity_mean_gravity_$

Distribution 0 missing values.

5	6

The mean of data grouped by student and activity for angle of X axis, gravity mean



 $Figure~86:~Distribution~of~values~for~grouped_studentactivity_mean_of_angle_x_gravity_mean$

Summary statistics

name	label	data_	nypeissoi	ngple	et e ni	natoe	edi am az	mean	sd	hist
grouped_stu	identactiv ilthe mean offdata student and activ of X axis, gravity	ity for angle	ric0	1		- 3 0.5		- 0.5065		<u>21115</u>

Missingness report

"@type": "propertyValue"

Codebook table

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

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"name": "Grouped Accelerometer Standard Deviation and Mean Data by Student and Activity",
"description": "This data set contains the standard deviation and mean of the original data. See the
"creator": "Robert de Lorimier",
"citation": "Davide Anguita, Alessandro Ghio, Luca Oneto, Xavier Parra and Jorge L. Reyes-Ortiz. Huma
"url": "https://github.com/rodelor97/GettingCleaningDataWeek4Project",
"datePublished": "2021-01-23",
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