Code Book

Files

1. 'shar_tidy_data.txt' - The merged complete training and test data

2. 'shar_tidy_mean_std.txt' - The mean and standard deviation of each measurement per subject per activity

Tidy Data

subject

numeric values

The subject is person who volunteered to do the experiment by Jorge L. Reyes-Ortiz, Davide Anguita, Alessandro Ghio, Luca Oneto.

Values : 1 to 30

activity

Character values as nominal category

The human exercise activity on the experiment has been conducted.

Values : WALKING

WALKING_UPSTAIRS

WALKING_DOWNSTAIRS

SITTING

STANDING

LAYING

experiment_type

Character values as nominal category

The type of the experiment has been conducted.

Values : train (training)

test

value

numeric decimal value

The actual value of the measurement of an activity on a given time of the training experiment

Min : -1, Max : 1

measurements

numeric value

The feature of the measurement is bean calculated by the given linear modals

Min : 1, Max : 561

1 tBodyAcc-mean()-X	188 tBodyGyroJerk-arCoeff()-X,3	375 fBodyAccJerk-meanFreq()-Z
2 tBodyAcc-mean()-Y	189 tBodyGyroJerk-arCoeff()-X,4	376 fBodyAccJerk-skewness()-X
3 tBodyAcc-mean()-Z	190 tBodyGyroJerk-arCoeff()-Y,1	377 fBodyAccJerk-kurtosis()-X
4 tBodyAcc-std()-X	191 tBodyGyroJerk-arCoeff()-Y,2	378 fBodyAccJerk-skewness()-Y
5 tBodyAcc-std()-Y	192 tBodyGyroJerk-arCoeff()-Y,3	379 fBodyAccJerk-kurtosis()-Y
6 tBodyAcc-std()-Z	193 tBodyGyroJerk-arCoeff()-Y,4	380 fBodyAccJerk-skewness()-Z
7 tBodyAcc-mad()-X	194 tBodyGyroJerk-arCoeff()-Z,1	381 fBodyAccJerk-kurtosis()-Z
8 tBodyAcc-mad()-Y	195 tBodyGyroJerk-arCoeff()-Z,2	382 fBodyAccJerk-bandsEnergy()-1,8
9 tBodyAcc-mad()-Z	196 tBodyGyroJerk-arCoeff()-Z,3	383 fBodyAccJerk-bandsEnergy()-9,16
10 tBodyAcc-max()-X	197 tBodyGyroJerk-arCoeff()-Z,4	384 fBodyAccJerk-bandsEnergy()-17,24
11 tBodyAcc-max()-Y	198 tBodyGyroJerk-correlation()-X,Y	385 fBodyAccJerk-bandsEnergy()-25,32
12 tBodyAcc-max()-Z	199 tBodyGyroJerk-correlation()-X,Z	386 fBodyAccJerk-bandsEnergy()-33,40
13 tBodyAcc-min()-X	200 tBodyGyroJerk-correlation()-Y,Z	387 fBodyAccJerk-bandsEnergy()-41,48
14 tBodyAcc-min()-Y	201 tBodyAccMag-mean()	388 fBodyAccJerk-bandsEnergy()-49,56
15 tBodyAcc-min()-Z	202 tBodyAccMag-std()	389 fBodyAccJerk-bandsEnergy()-57,64
16 tBodyAcc-sma()	203 tBodyAccMag-mad()	390 fBodyAccJerk-bandsEnergy()-1,16
17 tBodyAcc-energy()-X	204 tBodyAccMag-max()	391 fBodyAccJerk-bandsEnergy()-17,32
18 tBodyAcc-energy()-Y	205 tBodyAccMag-min()	392 fBodyAccJerk-bandsEnergy()-33,48
19 tBodyAcc-energy()-Z	206 tBodyAccMag-sma()	393 fBodyAccJerk-bandsEnergy()-49,64
20 tBodyAcc-iqr()-X	207 tBodyAccMag-energy()	394 fBodyAccJerk-bandsEnergy()-1,24
21 tBodyAcc-iqr()-Y	208 tBodyAccMag-iqr()	395 fBodyAccJerk-bandsEnergy()-25,48
22 tBodyAcc-iqr()-Z	209 tBodyAccMag-entropy()	396 fBodyAccJerk-bandsEnergy()-1,8
23 tBodyAcc-entropy()-X	210 tBodyAccMag-arCoeff()1	397 fBodyAccJerk-bandsEnergy()-9,16
24 tBodyAcc-entropy()-Y	211 tBodyAccMag-arCoeff()2	398 fBodyAccJerk-bandsEnergy()-17,24
25 tBodyAcc-entropy()-Z	212 tBodyAccMag-arCoeff()3	399 fBodyAccJerk-bandsEnergy()-25,32
26 tBodyAcc-arCoeff()-X,1	213 tBodyAccMag-arCoeff()4	400 fBodyAccJerk-bandsEnergy()-33,40
27 tBodyAcc-arCoeff()-X,2	214 tGravityAccMag-mean()	401 fBodyAccJerk-bandsEnergy()-41,48
28 tBodyAcc-arCoeff()-X,3	215 tGravityAccMag-std()	402 fBodyAccJerk-bandsEnergy()-49,56
29 tBodyAcc-arCoeff()-X,4	216 tGravityAccMag-mad()	403 fBodyAccJerk-bandsEnergy()-57,64
30 tBodyAcc-arCoeff()-Y,1	217 tGravityAccMag-max()	404 fBodyAccJerk-bandsEnergy()-1,16
31 tBodyAcc-arCoeff()-Y,2	218 tGravityAccMag-min()	405 fBodyAccJerk-bandsEnergy()-17,32
32 tBodyAcc-arCoeff()-Y,3	219 tGravityAccMag-sma()	406 fBodyAccJerk-bandsEnergy()-33,48
33 tBodyAcc-arCoeff()-Y,4	220 tGravityAccMag-energy()	407 fBodyAccJerk-bandsEnergy()-49,64
34 tBodyAcc-arCoeff()-Z,1	221 tGravityAccMag-iqr()	408 fBodyAccJerk-bandsEnergy()-1,24
35 tBodyAcc-arCoeff()-Z,2	222 tGravityAccMag-entropy()	409 fBodyAccJerk-bandsEnergy()-25,48
36 tBodyAcc-arCoeff()-Z,3	223 tGravityAccMag-arCoeff()1	410 fBodyAccJerk-bandsEnergy()-1,8
37 tBodyAcc-arCoeff()-Z,4	224 tGravityAccMag-arCoeff()2	411 fBodyAccJerk-bandsEnergy()-9,16
38 tBodyAcc-correlation()-X,Y	225 tGravityAccMag-arCoeff()3	412 fBodyAccJerk-bandsEnergy()-17,24
39 tBodyAcc-correlation()-X,Z	226 tGravityAccMag-arCoeff()4	413 fBodyAccJerk-bandsEnergy()-25,32
40 tBodyAcc-correlation()-Y,Z	227 tBodyAccJerkMag-mean()	414 fBodyAccJerk-bandsEnergy()-33,40

41 tGravityAcc-mean()-X	228 tBodyAccJerkMag-std()	415 fBodyAccJerk-bandsEnergy()-41,48
42 tGravityAcc-mean()-Y	229 tBodyAccJerkMag-mad()	416 fBodyAccJerk-bandsEnergy()-49,56
43 tGravityAcc-mean()-Z	230 tBodyAccJerkMag-max()	417 fBodyAccJerk-bandsEnergy()-57,64
44 tGravityAcc-std()-X	231 tBodyAccJerkMag-min()	418 fBodyAccJerk-bandsEnergy()-1,16
45 tGravityAcc-std()-Y	232 tBodyAccJerkMag-sma()	419 fBodyAccJerk-bandsEnergy()-17,32
46 tGravityAcc-std()-Z	233 tBodyAccJerkMag-energy()	420 fBodyAccJerk-bandsEnergy()-33,48
47 tGravityAcc-mad()-X	234 tBodyAccJerkMag-iqr()	421 fBodyAccJerk-bandsEnergy()-49,64
48 tGravityAcc-mad()-Y	235 tBodyAccJerkMag-entropy()	422 fBodyAccJerk-bandsEnergy()-1,24
49 tGravityAcc-mad()-Z	236 tBodyAccJerkMag-arCoeff()1	423 fBodyAccJerk-bandsEnergy()-25,48
50 tGravityAcc-max()-X	237 tBodyAccJerkMag-arCoeff()2	424 fBodyGyro-mean()-X
51 tGravityAcc-max()-Y	238 tBodyAccJerkMag-arCoeff()3	425 fBodyGyro-mean()-Y
52 tGravityAcc-max()-Z	239 tBodyAccJerkMag-arCoeff()4	426 fBodyGyro-mean()-Z
53 tGravityAcc-min()-X	240 tBodyGyroMag-mean()	427 fBodyGyro-std()-X
54 tGravityAcc-min()-Y	241 tBodyGyroMag-std()	428 fBodyGyro-std()-Y
55 tGravityAcc-min()-Z	242 tBodyGyroMag-mad()	429 fBodyGyro-std()-Z
56 tGravityAcc-sma()	243 tBodyGyroMag-max()	430 fBodyGyro-mad()-X
57 tGravityAcc-energy()-X	244 tBodyGyroMag-min()	431 fBodyGyro-mad()-Y
58 tGravityAcc-energy()-Y	245 tBodyGyroMag-sma()	432 fBodyGyro-mad()-Z
59 tGravityAcc-energy()-Z	246 tBodyGyroMag-energy()	433 fBodyGyro-max()-X
60 tGravityAcc-iqr()-X	247 tBodyGyroMag-iqr()	434 fBodyGyro-max()-Y
61 tGravityAcc-iqr()-Y	248 tBodyGyroMag-entropy()	435 fBodyGyro-max()-Z
62 tGravityAcc-iqr()-Z	249 tBodyGyroMag-arCoeff()1	436 fBodyGyro-min()-X
63 tGravityAcc-entropy()-X	250 tBodyGyroMag-arCoeff()2	437 fBodyGyro-min()-Y
64 tGravityAcc-entropy()-Y	251 tBodyGyroMag-arCoeff()3	438 fBodyGyro-min()-Z
65 tGravityAcc-entropy()-Z	252 tBodyGyroMag-arCoeff()4	439 fBodyGyro-sma()
66 tGravityAcc-arCoeff()-X,1	253 tBodyGyroJerkMag-mean()	440 fBodyGyro-energy()-X
67 tGravityAcc-arCoeff()-X,2	254 tBodyGyroJerkMag-std()	441 fBodyGyro-energy()-Y
68 tGravityAcc-arCoeff()-X,3	255 tBodyGyroJerkMag-mad()	442 fBodyGyro-energy()-Z
69 tGravityAcc-arCoeff()-X,4	256 tBodyGyroJerkMag-max()	443 fBodyGyro-iqr()-X
70 tGravityAcc-arCoeff()-Y,1	257 tBodyGyroJerkMag-min()	444 fBodyGyro-iqr()-Y
71 tGravityAcc-arCoeff()-Y,2	258 tBodyGyroJerkMag-sma()	445 fBodyGyro-iqr()-Z
72 tGravityAcc-arCoeff()-Y,3	259 tBodyGyroJerkMag-energy()	446 fBodyGyro-entropy()-X
73 tGravityAcc-arCoeff()-Y,4	260 tBodyGyroJerkMag-iqr()	447 fBodyGyro-entropy()-Y
74 tGravityAcc-arCoeff()-Z,1	261 tBodyGyroJerkMag-entropy()	448 fBodyGyro-entropy()-Z
75 tGravityAcc-arCoeff()-Z,2	262 tBodyGyroJerkMag-arCoeff()1	449 fBodyGyro-maxInds-X
76 tGravityAcc-arCoeff()-Z,3	263 tBodyGyroJerkMag-arCoeff()2	450 fBodyGyro-maxInds-Y
77 tGravityAcc-arCoeff()-Z,4	264 tBodyGyroJerkMag-arCoeff()3	451 fBodyGyro-maxInds-Z
78 tGravityAcc-correlation()-X,Y	265 tBodyGyroJerkMag-arCoeff()4	452 fBodyGyro-meanFreq()-X
79 tGravityAcc-correlation()-X,Z	266 fBodyAcc-mean()-X	453 fBodyGyro-meanFreq()-Y
80 tGravityAcc-correlation()-Y,Z	267 fBodyAcc-mean()-Y	454 fBodyGyro-meanFreq()-Z
81 tBodyAccJerk-mean()-X	268 fBodyAcc-mean()-Z	455 fBodyGyro-skewness()-X
82 tBodyAccJerk-mean()-Y	269 fBodyAcc-std()-X	456 fBodyGyro-kurtosis()-X
83 tBodyAccJerk-mean()-Z	270 fBodyAcc-std()-Y	457 fBodyGyro-skewness()-Y
84 tBodyAccJerk-std()-X	271 fBodyAcc-std()-Z	458 fBodyGyro-kurtosis()-Y
85 tBodyAccJerk-std()-Y	272 fBodyAcc-mad()-X	459 fBodyGyro-skewness()-Z
86 tBodyAccJerk-std()-Z	273 fBodyAcc-mad()-Y	460 fBodyGyro-kurtosis()-Z
87 tBodyAccJerk-mad()-X	274 fBodyAcc-mad()-Z	461 fBodyGyro-bandsEnergy()-1,8
88 tBodyAccJerk-mad()-Y	275 fBodyAcc-max()-X	462 fBodyGyro-bandsEnergy()-9,16
89 tBodyAccJerk-mad()-Z	276 fBodyAcc-max()-Y	463 fBodyGyro-bandsEnergy()-17,24
90 tBodyAccJerk-max()-X	277 fBodyAcc-max()-Z	464 fBodyGyro-bandsEnergy()-25,32
91 tBodyAccJerk-max()-Y	278 fBodyAcc-min()-X	465 fBodyGyro-bandsEnergy()-33,40
92 tBodyAccJerk-max()-Z	279 fBodyAcc-min()-Y	466 fBodyGyro-bandsEnergy()-41,48
93 tBodyAccJerk-min()-X	280 fBodyAcc-min()-Z	467 fBodyGyro-bandsEnergy()-49,56
94 tBodyAccJerk-min()-Y	281 fBodyAcc-sma()	468 fBodyGyro-bandsEnergy()-57,64
95 tBodyAccJerk-min()-Z	282 fBodyAcc-energy()-X	469 fBodyGyro-bandsEnergy()-1,16
96 tBodyAccJerk-sma()	283 fBodyAcc-energy()-Y	470 fBodyGyro-bandsEnergy()-17,32
97 tBodyAccJerk-energy()-X	284 fBodyAcc-energy()-Z	471 fBodyGyro-bandsEnergy()-33,48
98 tBodyAccJerk-energy()-Y	285 fBodyAcc-iqr()-X	472 fBodyGyro-bandsEnergy()-49,64

99 tBodyAccJerk-energy()-Z	286 fBodyAcc-iqr()-Y	473 fBodyGyro-bandsEnergy()-1,24
100 tBodyAccJerk-iqr()-X	287 fBodyAcc-iqr()-Z	474 fBodyGyro-bandsEnergy()-25,48
101 tBodyAccJerk-iqr()-Y	288 fBodyAcc-entropy()-X	475 fBodyGyro-bandsEnergy()-1,8
102 tBodyAccJerk-iqr()-Z	289 fBodyAcc-entropy()-Y	476 fBodyGyro-bandsEnergy()-9,16
103 tBodyAccJerk-entropy()-X	290 fBodyAcc-entropy()-Z	477 fBodyGyro-bandsEnergy()-17,24
104 tBodyAccJerk-entropy()-Y	291 fBodyAcc-maxInds-X	478 fBodyGyro-bandsEnergy()-25,32
105 tBodyAccJerk-entropy()-Z	292 fBodyAcc-maxInds-Y	479 fBodyGyro-bandsEnergy()-33,40
106 tBodyAccJerk-arCoeff()-X,1	293 fBodyAcc-maxInds-Z	480 fBodyGyro-bandsEnergy()-41,48
107 tBodyAccJerk-arCoeff()-X,2	294 fBodyAcc-meanFreq()-X	481 fBodyGyro-bandsEnergy()-49,56
108 tBodyAccJerk-arCoeff()-X,3	295 fBodyAcc-meanFreq()-Y	482 fBodyGyro-bandsEnergy()-57,64
109 tBodyAccJerk-arCoeff()-X,4	296 fBodyAcc-meanFreq()-Z	483 fBodyGyro-bandsEnergy()-1,16
110 tBodyAccJerk-arCoeff()-Y,1	297 fBodyAcc-skewness()-X	484 fBodyGyro-bandsEnergy()-17,32
111 tBodyAccJerk-arCoeff()-Y,2	298 fBodyAcc-kurtosis()-X	485 fBodyGyro-bandsEnergy()-33,48
112 tBodyAccJerk-arCoeff()-Y,3	299 fBodyAcc-skewness()-Y	486 fBodyGyro-bandsEnergy()-49,64
113 tBodyAccJerk-arCoeff()-Y,4	300 fBodyAcc-kurtosis()-Y	487 fBodyGyro-bandsEnergy()-1,24
114 tBodyAccJerk-arCoeff()-Z,1	301 fBodyAcc-skewness()-Z	488 fBodyGyro-bandsEnergy()-25,48
115 tBodyAccJerk-arCoeff()-Z,2	302 fBodyAcc-kurtosis()-Z	489 fBodyGyro-bandsEnergy()-1,8
116 tBodyAccJerk-arCoeff()-Z,3	303 fBodyAcc-bandsEnergy()-1,8	490 fBodyGyro-bandsEnergy()-9,16
117 tBodyAccJerk-arCoeff()-Z,4	304 fBodyAcc-bandsEnergy()-9,16	491 fBodyGyro-bandsEnergy()-17,24
118 tBodyAccJerk-correlation()-X,Y	305 fBodyAcc-bandsEnergy()-17,24	492 fBodyGyro-bandsEnergy()-25,32
119 tBodyAccJerk-correlation()-X,Z	306 fBodyAcc-bandsEnergy()-25,32	493 fBodyGyro-bandsEnergy()-33,40
120 tBodyAccJerk-correlation()-Y,Z	307 fBodyAcc-bandsEnergy()-33,40	494 fBodyGyro-bandsEnergy()-41,48
121 tBodyGyro-mean()-X	308 fBodyAcc-bandsEnergy()-41,48	495 fBodyGyro-bandsEnergy()-49,56
122 tBodyGyro-mean()-Y	309 fBodyAcc-bandsEnergy()-49,56	496 fBodyGyro-bandsEnergy()-57,64
123 tBodyGyro-mean()-Z	310 fBodyAcc-bandsEnergy()-57,64	497 fBodyGyro-bandsEnergy()-1,16
124 tBodyGyro-std()-X	311 fBodyAcc-bandsEnergy()-1,16	498 fBodyGyro-bandsEnergy()-17,32
125 tBodyGyro-std()-Y	312 fBodyAcc-bandsEnergy()-17,32	499 fBodyGyro-bandsEnergy()-33,48
126 tBodyGyro-std()-Z	313 fBodyAcc-bandsEnergy()-33,48	500 fBodyGyro-bandsEnergy()-49,64
127 tBodyGyro-mad()-X	314 fBodyAcc-bandsEnergy()-49,64	501 fBodyGyro-bandsEnergy()-1,24
128 tBodyGyro-mad()-Y	315 fBodyAcc-bandsEnergy()-1,24	502 fBodyGyro-bandsEnergy()-25,48
129 tBodyGyro-mad()-Z	316 fBodyAcc-bandsEnergy()-25,48	503 fBodyAccMag-mean()
130 tBodyGyro-max()-X	317 fBodyAcc-bandsEnergy()-1,8	504 fBodyAccMag-std()
131 tBodyGyro-max()-Y	318 fBodyAcc-bandsEnergy()-9,16	505 fBodyAccMag-mad()
132 tBodyGyro-max()-Z	319 fBodyAcc-bandsEnergy()-17,24	506 fBodyAccMag-max()
133 tBodyGyro-min()-X	320 fBodyAcc-bandsEnergy()-25,32	507 fBodyAccMag-min()
134 tBodyGyro-min()-Y	321 fBodyAcc-bandsEnergy()-33,40	508 fBodyAccMag-sma()
135 tBodyGyro-min()-Z	322 fBodyAcc-bandsEnergy()-41,48	509 fBodyAccMag-energy()
136 tBodyGyro-sma()	323 fBodyAcc-bandsEnergy()-49,56	510 fBodyAccMag-iqr()
137 tBodyGyro-energy()-X	324 fBodyAcc-bandsEnergy()-57,64	511 fBodyAccMag-entropy()
138 tBodyGyro-energy()-Y	325 fBodyAcc-bandsEnergy()-1,16	512 fBodyAccMag-maxInds
139 tBodyGyro-energy()-Z	326 fBodyAcc-bandsEnergy()-17,32	513 fBodyAccMag-meanFreq()
140 tBodyGyro-iqr()-X	327 fBodyAcc-bandsEnergy()-33,48	514 fBodyAccMag-skewness()
141 tBodyGyro-iqr()-Y	328 fBodyAcc-bandsEnergy()-49,64	515 fBodyAccMag-kurtosis()
142 tBodyGyro-iqr()-Z	329 fBodyAcc-bandsEnergy()-1,24	516 fBodyBodyAccJerkMag-mean()
143 tBodyGyro-entropy()-X	330 fBodyAcc-bandsEnergy()-25,48	517 fBodyBodyAccJerkMag-std()
144 tBodyGyro-entropy()-Y	331 fBodyAcc-bandsEnergy()-1,8	518 fBodyBodyAccJerkMag-mad()
145 tBodyGyro-entropy()-Z	332 fBodyAcc-bandsEnergy()-9,16	519 fBodyBodyAccJerkMag-max()
146 tBodyGyro-arCoeff()-X,1	333 fBodyAcc-bandsEnergy()-17,24	520 fBodyBodyAccJerkMag-min()
147 tBodyGyro-arCoeff()-X,2	334 fBodyAcc-bandsEnergy()-25,32	521 fBodyBodyAccJerkMag-sma()
148 tBodyGyro-arCoeff()-X,3	335 fBodyAcc-bandsEnergy()-33,40	522 fBodyBodyAccJerkMag-energy()
149 tBodyGyro-arCoeff()-X,4	336 fBodyAcc-bandsEnergy()-41,48	523 fBodyBodyAccJerkMag-iqr()
150 tBodyGyro-arCoeff()-Y,1	337 fBodyAcc-bandsEnergy()-49,56	524 fBodyBodyAccJerkMag-entropy()
151 tBodyGyro-arCoeff()-Y,2	338 fBodyAcc-bandsEnergy()-57,64	525 fBodyBodyAccJerkMag-maxInds
152 tBodyGyro-arCoeff()-Y,3	339 fBodyAcc-bandsEnergy()-1,16	526 fBodyBodyAccJerkMag-meanFreq()
153 tBodyGyro-arCoeff()-Y,4	340 fBodyAcc-bandsEnergy()-17,32	527 fBodyBodyAccJerkMag-skewness()
154 tBodyGyro-arCoeff()-Z,1	341 fBodyAcc-bandsEnergy()-33,48	528 fBodyBodyAccJerkMag-kurtosis()
155 tBodyGyro-arCoeff()-Z,2	342 fBodyAcc-bandsEnergy()-49,64	529 fBodyBodyGyroMag-mean()
156 tBodyGyro-arCoeff()-Z,3	343 fBodyAcc-bandsEnergy()-1,24	530 fBodyBodyGyroMag-std()

157 tBodyGyro-arCoeff()-Z,4	344 fBodyAcc-bandsEnergy()-25,48	531 fBodyBodyGyroMag-mad()
158 tBodyGyro-correlation()-X,Y	345 fBodyAccJerk-mean()-X	532 fBodyBodyGyroMag-max()
159 tBodyGyro-correlation()-X,Z	346 fBodyAccJerk-mean()-Y	533 fBodyBodyGyroMag-min()
160 tBodyGyro-correlation()-Y,Z	347 fBodyAccJerk-mean()-Z	534 fBodyBodyGyroMag-sma()
161 tBodyGyroJerk-mean()-X	348 fBodyAccJerk-std()-X	535 fBodyBodyGyroMag-energy()
162 tBodyGyroJerk-mean()-Y	349 fBodyAccJerk-std()-Y	536 fBodyBodyGyroMag-iqr()
163 tBodyGyroJerk-mean()-Z	350 fBodyAccJerk-std()-Z	537 fBodyBodyGyroMag-entropy()
164 tBodyGyroJerk-std()-X	351 fBodyAccJerk-mad()-X	538 fBodyBodyGyroMag-maxInds
165 tBodyGyroJerk-std()-Y	352 fBodyAccJerk-mad()-Y	539 fBodyBodyGyroMag-meanFreq()
166 tBodyGyroJerk-std()-Z	353 fBodyAccJerk-mad()-Z	540 fBodyBodyGyroMag-skewness()
167 tBodyGyroJerk-mad()-X	354 fBodyAccJerk-max()-X	541 fBodyBodyGyroMag-kurtosis()
168 tBodyGyroJerk-mad()-Y	355 fBodyAccJerk-max()-Y	542 fBodyBodyGyroJerkMag-mean()
169 tBodyGyroJerk-mad()-Z	356 fBodyAccJerk-max()-Z	543 fBodyBodyGyroJerkMag-std()
170 tBodyGyroJerk-max()-X	357 fBodyAccJerk-min()-X	544 fBodyBodyGyroJerkMag-mad()
171 tBodyGyroJerk-max()-Y	358 fBodyAccJerk-min()-Y	545 fBodyBodyGyroJerkMag-max()
172 tBodyGyroJerk-max()-Z	359 fBodyAccJerk-min()-Z	546 fBodyBodyGyroJerkMag-min()
173 tBodyGyroJerk-min()-X	360 fBodyAccJerk-sma()	547 fBodyBodyGyroJerkMag-sma()
174 tBodyGyroJerk-min()-Y	361 fBodyAccJerk-energy()-X	548 fBodyBodyGyroJerkMag-energy()
175 tBodyGyroJerk-min()-Z	362 fBodyAccJerk-energy()-Y	549 fBodyBodyGyroJerkMag-iqr()
176 tBodyGyroJerk-sma()	363 fBodyAccJerk-energy()-Z	550 fBodyBodyGyroJerkMag-entropy()
177 tBodyGyroJerk-energy()-X	364 fBodyAccJerk-iqr()-X	551 fBodyBodyGyroJerkMag-maxInds
178 tBodyGyroJerk-energy()-Y	365 fBodyAccJerk-iqr()-Y	552 fBodyBodyGyroJerkMag-meanFreq()
179 tBodyGyroJerk-energy()-Z	366 fBodyAccJerk-iqr()-Z	553 fBodyBodyGyroJerkMag-skewness()
180 tBodyGyroJerk-iqr()-X	367 fBodyAccJerk-entropy()-X	554 fBodyBodyGyroJerkMag-kurtosis()
181 tBodyGyroJerk-iqr()-Y	368 fBodyAccJerk-entropy()-Y	555 angle(tBodyAccMean,gravity)
182 tBodyGyroJerk-iqr()-Z	369 fBodyAccJerk-entropy()-Z	556 angle(tBodyAccJerkMean),gravityMean)
183 tBodyGyroJerk-entropy()-X	370 fBodyAccJerk-maxInds-X	557 angle(tBodyGyroMean,gravityMean)
184 tBodyGyroJerk-entropy()-Y	371 fBodyAccJerk-maxInds-Y	558 angle(tBodyGyroJerkMean,gravityMean)
185 tBodyGyroJerk-entropy()-Z	372 fBodyAccJerk-maxInds-Z	559 angle(X,gravityMean)
186 tBodyGyroJerk-arCoeff()-X,1	373 fBodyAccJerk-meanFreq()-X	560 angle(Y,gravityMean)
187 tBodyGyroJerk-arCoeff()-X,2	374 fBodyAccJerk-meanFreq()-Y	561 angle(Z,gravityMean)

Mean and Standard Deviation Tidy Data

subject

numeric values

The subject is person who volunteered to do the experiment by Jorge L. Reyes-Ortiz, Davide Anguita, Alessandro Ghio, Luca Oneto.

Values : 1 to 30

activity

Character values as nominal category

The human exercise activity on the experiment has been conducted.

Values : WALKING

WALKING_UPSTAIRS

WALKING_DOWNSTAIRS

SITTING

STANDING

LAYING

measurements

numeric value

The feature of the measurement is bean calculated by the given linear modals

Min : 1, Max : 561

Please refer the previous table for possible values

experiment _type

Character values as nominal category

The type of the experiment has been conducted.

Values : train (training)

test

mean

numeric decimal value

The mean value of all each measurement values that is calculated for per subject per activity of type of experiment

Min : -1, Max : 0.998, NA – the measure values are not calculated or not available

sd

numeric decimal value

The standard deviation value of all each measurement values that is calculated for per subject per activity of type of experiment

Min : 0, Max : 0.943, NA – the measure values are not calculated or not available

Missing values

Any data where not readable by the read.csv