

Code Book

Variable/ Column Name

1 Subjects

ID number representing the subjects 1-30

2 Activity

Name of observed activity

The remaining variables are the means of the corresponding data variable from the UCI dataset

	UCI DataSet
3 tBodyAcc-mean-X	1 tBodyAcc-mean()-X
4 tBodyAcc-mean-Y	2 tBodyAcc-mean()-Y
5 tBodyAcc-mean-Z	3 tBodyAcc-mean()-Z
6 tBodyAcc-std-X	4 tBodyAcc-std()-X
7 tBodyAcc-std-Y	5 tBodyAcc-std()-Y
8 tBodyAcc-std-Z	6 tBodyAcc-std()-Z
9 tGravityAcc-mean-X	41 tGravityAcc-mean()-X
10 tGravityAcc-mean-Y	42 tGravityAcc-mean()-Y
11 tGravityAcc-mean-Z	43 tGravityAcc-mean()-Z
12 tGravityAcc-std-X	44 tGravityAcc-std()-X
13 tGravityAcc-std-Y	45 tGravityAcc-std()-Y
14 tGravityAcc-std-Z	46 tGravityAcc-std()-Z
15 tBodyAccJerk-mean-X	81 tBodyAccJerk-mean()-X
16 tBodyAccJerk-mean-Y	82 tBodyAccJerk-mean()-Y
17 tBodyAccJerk-mean-Z	83 tBodyAccJerk-mean()-Z
18 tBodyAccJerk-std-X	84 tBodyAccJerk-std()-X
19 tBodyAccJerk-std-Y	85 tBodyAccJerk-std()-Y
20 tBodyAccJerk-std-Z	86 tBodyAccJerk-std()-Z
21 tBodyGyro-mean-X	121 tBodyGyro-mean()-X
22 tBodyGyro-mean-Y	122 tBodyGyro-mean()-Y
23 tBodyGyro-mean-Z	123 tBodyGyro-mean()-Z
24 tBodyGyro-std-X	124 tBodyGyro-std()-X
25 tBodyGyro-std-Y	125 tBodyGyro-std()-Y
26 tBodyGyro-std-Z	126 tBodyGyro-std()-Z
27 tBodyGyroJerk-mean-X	161 tBodyGyroJerk-mean()-X
28 tBodyGyroJerk-mean-Y	162 tBodyGyroJerk-mean()-Y
29 tBodyGyroJerk-mean-Z	163 tBodyGyroJerk-mean()-Z
30 tBodyGyroJerk-std-X	164 tBodyGyroJerk-std()-X
31 tBodyGyroJerk-std-Y	165 tBodyGyroJerk-std()-Y
32 tBodyGyroJerk-std-Z	166 tBodyGyroJerk-std()-Z
33 tBodyAccMag-mean	201 tBodyAccMag-mean()
34 tBodyAccMag-std	202 tBodyAccMag-std()
35 tGravityAccMag-mean	214 tGravityAccMag-mean()
36 tGravityAccMag-std	215 tGravityAccMag-std()
37 tBodyAccJerkMag-mean	227 tBodyAccJerkMag-mean()
38 tBodyAccJerkMag-std	228 tBodyAccJerkMag-std()
39 tBodyGyroMag-mean	240 tBodyGyroMag-mean()
40 tBodyGyroMag-std	241 tBodyGyroMag-std()
41 tBodyGyroJerkMag-mean	253 tBodyGyroJerkMag-mean()
42 tBodyGyroJerkMag-std	254 tBodyGyroJerkMag-std()
43 fBodyAcc-mean-X	266 fBodyAcc-mean()-X
44 fBodyAcc-mean-Y	267 fBodyAcc-mean()-Y
45 fBodyAcc-mean-Z	268 fBodyAcc-mean()-Z
46 fBodyAcc-std-X	269 fBodyAcc-std()-X
47 fBodyAcc-std-Y	270 fBodyAcc-std()-Y
48 fBodyAcc-std-Z	271 fBodyAcc-std()-Z
49 fBodyAcc-meanFreq-X	294 fBodyAcc-meanFreq()-X
50 fBodyAcc-meanFreq-Y	295 fBodyAcc-meanFreq()-Y
51 fBodyAcc-meanFreq-Z	296 fBodyAcc-meanFreq()-Z
52 fBodyAccJerk-mean-X	345 fBodyAccJerk-mean()-X
53 fBodyAccJerk-mean-Y	346 fBodyAccJerk-mean()-Y
54 fBodyAccJerk-mean-Z	347 fBodyAccJerk-mean()-Z
55 fBodyAccJerk-std-X	348 fBodyAccJerk-std()-X
56 fBodyAccJerk-std-Y	349 fBodyAccJerk-std()-Y
57 fBodyAccJerk-std-Z	350 fBodyAccJerk-std()-Z
58 fBodyAccJerk-meanFreq-X	373 fBodyAccJerk-meanFreq()-X

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59	fBodyAccJerk-meanFreq-Y	374	fBodyAccJerk-meanFreq()-Y
60	fBodyAccJerk-meanFreq-Z	375	fBodyAccJerk-meanFreq()-Z
61	fBodyGyro-mean-X	424	fBodyGyro-mean()-X
62	fBodyGyro-mean-Y	425	fBodyGyro-mean()-Y
63	fBodyGyro-mean-Z	426	fBodyGyro-mean()-Z
64	fBodyGyro-std-X	427	fBodyGyro-std()-X
65	fBodyGyro-std-Y	428	fBodyGyro-std()-Y
66	fBodyGyro-std-Z	429	fBodyGyro-std()-Z
67	fBodyGyro-meanFreq-X	452	fBodyGyro-meanFreq()-X
68	fBodyGyro-meanFreq-Y	453	fBodyGyro-meanFreq()-Y
69	fBodyGyro-meanFreq-Z	454	fBodyGyro-meanFreq()-Z
70	fBodyAccMag-mean	503	fBodyAccMag-mean()
71	fBodyAccMag-std	504	fBodyAccMag-std()
72	fBodyAccMag-meanFreq	513	fBodyAccMag-meanFreq()
73	fBodyBodyAccJerkMag-mean	516	fBodyBodyAccJerkMag-mean()
74	fBodyBodyAccJerkMag-std	517	fBodyBodyAccJerkMag-std()
75	fBodyBodyAccJerkMag-meanFreq	526	fBodyBodyAccJerkMag-meanFreq()
76	fBodyBodyGyroMag-mean	529	fBodyBodyGyroMag-mean()
77	fBodyBodyGyroMag-std	530	fBodyBodyGyroMag-std()
78	fBodyBodyGyroMag-meanFreq	539	fBodyBodyGyroMag-meanFreq()
79	fBodyBodyGyroJerkMag-mean	542	fBodyBodyGyroJerkMag-mean()
80	fBodyBodyGyroJerkMag-std	543	fBodyBodyGyroJerkMag-std()
81	fBodyBodyGyroJerkMag-meanFreq	552	fBodyBodyGyroJerkMag-meanFreq()
82	angle(tBodyAccMean,gravity)	555	angle(tBodyAccMean,gravity)
83	angle(tBodyAccJerkMean,gravityMean)	556	angle(tBodyAccJerkMean,gravityMean)
84	angle(tBodyGyroMean,gravityMean)	557	angle(tBodyGyroMean,gravityMean)
85	angle(tBodyGyroJerkMean,gravityMean)	558	angle(tBodyGyroJerkMean,gravityMean)
86	angle(X,gravityMean)	559	angle(X,gravityMean)
87	angle(Y,gravityMean)	560	angle(Y,gravityMean)
88	angle(Z,gravityMean)	561	angle(Z,gravityMean)