DATA DICTIONARY

One observation per Subject/Activity pair.

[1] "Subject"
A group of 30 volunteers within an age bracket of 19-48 years. Numbered 1 to 30.

[2] "Activity"
One of walking, walking_upstairs, walking_downstairs, sitting, standing or laying

[3] "timeBodyAcc.mean.X"
average of mean of body X axis acceleration in time domain
units normalized and bounded within [-1,1]

[4] "timeBodyAcc.mean.Y"
average of mean of body Y axis acceleration in time domain
units normalized and bounded within [-1,1]

[5] "timeBodyAcc.mean.Z"
average of mean of body Z axis acceleration in time domain
units normalized and bounded within [-1,1]

[6] "timeBodyAcc.std.X"
average of standard deviation of body X axis acceleration in time domain
units normalized and bounded within [-1,1]

[7] "timeBodyAcc.std.Y"
average of standard deviation of body Y axis acceleration in time domain
units normalized and bounded within [-1,1]

[8] "timeBodyAcc.std.Z"
average of standard deviation of body Z axis acceleration in time domain
units normalized and bounded within [-1,1]

[9] "timeGravityAcc.mean.X"
average of mean of gravity X axis acceleration in time domain
units normalized and bounded within [-1,1]

[10] "timeGravityAcc.mean.Y"
average of mean of gravity Y axis acceleration in time domain
units normalized and bounded within [-1,1]

[11] "timeGravityAcc.mean.Z"
average of mean of gravity Z axis acceleration in time domain
units normalized and bounded within [-1,1]

[12] "timeGravityAcc.std.X"
average of standard deviation of gravity X axis acceleration

in time domain
units normalized and bounded within [-1,1]

[13] "timeGravityAcc.std.Y"
average of standard deviation of gravity Y axis acceleration in time domain
units normalized and bounded within [-1,1]

[14] "timeGravityAcc.std.Z"
average of standard deviation of gravity Z axis acceleration in time domain
units normalized and bounded within [-1,1]

[15] "timeBodyAccJerk.mean.X"
average of mean of body X axis acceleration jerk in time domain
units normalized and bounded within [-1,1]

[16] "timeBodyAccJerk.mean.Y"
average of mean of body Y axis acceleration jerk in time domain
units normalized and bounded within [-1,1]

[17] "timeBodyAccJerk.mean.Z"
average of mean of body Z axis acceleration jerk in time domain
units normalized and bounded within [-1,1]

[18] "timeBodyAccJerk.std.X"
average of standard deviation of body X axis acceleration jerk in time domain
units normalized and bounded within [-1,1]

[19] "timeBodyAccJerk.std.Y"
average of standard deviation of body Y axis acceleration jerk in time domain
units normalized and bounded within [-1,1]

[20] "timeBodyAccJerk.std.Z"
average of standard deviation of body Z axis acceleration jerk in time domain
units normalized and bounded within [-1,1]

[21] "timeBodyGyro.mean.X"
average of mean of body X axis angular velocity in time domain
units normalized and bounded within [-1,1]

[22] "timeBodyGyro.mean.Y"
average of mean of body Y axis angular velocity in time domain
units normalized and bounded within [-1,1]

[23] "timeBodyGyro.mean.Z"
average of mean of body Z axis angular velocity in time domain

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     units normalized and bounded within [-1,1]

[24] "timeBodyGyro.std.X"
     average of standard deviation of body X axis angular velocity
     in time domain
     units normalized and bounded within [-1,1]

[25] "timeBodyGyro.std.Y"
     average of standard deviation of body Y axis angular velocity
     in time domain
     units normalized and bounded within [-1,1]

[26] "timeBodyGyro.std.Z"
     average of standard deviation of body Z axis angular velocity
     in time domain
     units normalized and bounded within [-1,1]

[27] "timeBodyGyroJerk.mean.X"
     average of mean of body X axis angular velocity jerk in time
     domain
     units normalized and bounded within [-1,1]

[28] "timeBodyGyroJerk.mean.Y"
     average of mean of body Y axis angular velocity jerk in time
     domain
     units normalized and bounded within [-1,1]

[29] "timeBodyGyroJerk.mean.Z"
     average of mean of body Z axis angular velocity jerk in time
     domain
     units normalized and bounded within [-1,1]

[30] "timeBodyGyroJerk.std.X"
     average of standard deviation of body X axis angular velocity
     jerk in time domain
     units normalized and bounded within [-1,1]

[31] "timeBodyGyroJerk.std.Y"
     average of standard deviation of body Y axis angular velocity
     jerk in time domain
     units normalized and bounded within [-1,1]

[32] "timeBodyGyroJerk.std.Z"
     average of standard deviation of body Z axis angular velocity
     jerk in time domain
     units normalized and bounded within [-1,1]

[33] "timeBodyAccMag.mean"
     average of mean of body acceleration magnitude in time domain
     units normalized and bounded within [-1,1]

[34] "timeBodyAccMag.std"
     average of standard deviation of body acceleration magnitude
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     in time domain
     units normalized and bounded within [-1,1]

[35] "timeGravityAccMag.mean"
     average of mean of gravity acceleration magnitude in time
     domain
     units normalized and bounded within [-1,1]

[36] "timeGravityAccMag.std"
     average of standard deviation of gravity acceleration
     magnitude in time domain
     units normalized and bounded within [-1,1]

[37] "timeBodyAccJerkMag.mean"
     average of mean of body acceleration jerk magnitude in time
     domain
     units normalized and bounded within [-1,1]

[38] "timeBodyAccJerkMag.std"
     average of standard deviation of body acceleration jerk
     magnitude in time domain
     units normalized and bounded within [-1,1]

[39] "timeBodyGyroMag.mean"
     average of mean of body angular velocity magnitude in time
     domain
     units normalized and bounded within [-1,1]

[40] "timeBodyGyroMag.std"
     average of standard deviation of body angular velocity
     magnitude in time domain
     units normalized and bounded within [-1,1]

[41] "timeBodyGyroJerkMag.mean"
     average of mean of body angular velocity jerk magnitude in
     time domain
     units normalized and bounded within [-1,1]

[42] "timeBodyGyroJerkMag.std"
     average of standard deviation of body angular velocity jerk
     magnitude in time domain
     units normalized and bounded within [-1,1]

[43] "frequencyBodyAcc.mean.X"
     average of mean of body X axis acceleration in frequency
     domain
     units normalized and bounded within [-1,1]

[44] "frequencyBodyAcc.mean.Y"
     average of mean of body Y axis acceleration in frequency
     domain
     units normalized and bounded within [-1,1]
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[45] "frequencyBodyAcc.mean.Z"
average of mean of body Z axis acceleration in frequency domain
units normalized and bounded within [-1,1]

[46] "frequencyBodyAcc.std.X"
average of standard deviation of body X axis acceleration in frequency domain
units normalized and bounded within [-1,1]

[47] "frequencyBodyAcc.std.Y"
average of standard deviation of body Y axis acceleration in frequency domain
units normalized and bounded within [-1,1]

[48] "frequencyBodyAcc.std.Z"
average of standard deviation of body Z axis acceleration in frequency domain
units normalized and bounded within [-1,1]

[49] "frequencyBodyAccJerk.mean.X"
average of mean of body X axis acceleration jerk in frequency domain
units normalized and bounded within [-1,1]

[50] "frequencyBodyAccJerk.mean.Y"
average of mean of body Y axis acceleration jerk in frequency domain
units normalized and bounded within [-1,1]

[51] "frequencyBodyAccJerk.mean.Z"
average of mean of body Z axis acceleration jerk in frequency domain
units normalized and bounded within [-1,1]

[52] "frequencyBodyAccJerk.std.X"
average of standard deviation of body X axis acceleration jerk in frequency domain
units normalized and bounded within [-1,1]

[53] "frequencyBodyAccJerk.std.Y"
average of standard deviation of body Y axis acceleration jerk in frequency domain
units normalized and bounded within [-1,1]

[54] "frequencyBodyAccJerk.std.Z"
average of standard deviation of body Z axis acceleration jerk in frequency domain
units normalized and bounded within [-1,1]

[55] "frequencyBodyGyro.mean.X"
average of mean of body X axis angular velocity in frequency domain

units normalized and bounded within [-1,1]

[56] "frequencyBodyGyro.mean.Y"
average of mean of body Y axis angular velocity in frequency domain
units normalized and bounded within [-1,1]

[57] "frequencyBodyGyro.mean.Z"
average of mean of body Z axis angular velocity in frequency domain
units normalized and bounded within [-1,1]

[58] "frequencyBodyGyro.std.X"
average of standard deviation of body X axis angular velocity in frequency domain
units normalized and bounded within [-1,1]

[59] "frequencyBodyGyro.std.Y"
average of standard deviation of body Y axis angular velocity in frequency domain
units normalized and bounded within [-1,1]

[60] "frequencyBodyGyro.std.Z"
average of standard deviation of body Z axis angular velocity in frequency domain
units normalized and bounded within [-1,1]

[61] "frequencyBodyAccMag.mean"
average of mean of body acceleration magnitude in frequency domain
units normalized and bounded within [-1,1]

[62] "frequencyBodyAccMag.std"
average of standard deviation of body acceleration magnitude in frequency domain
units normalized and bounded within [-1,1]

[63] "frequencyBodyAccJerkMag.mean"
average of mean of body acceleration jerk magnitude in frequency domain
units normalized and bounded within [-1,1]

[64] "frequencyBodyAccJerkMag.std"
average of standard deviation of body acceleration jerk magnitude in frequency domain
units normalized and bounded within [-1,1]

[65] "frequencyBodyGyroMag.mean"
average of mean of body angular velocity magnitude in frequency domain
units normalized and bounded within [-1,1]

[66] "frequencyBodyGyroMag.std"

average of standard deviation of body angular velocity magnitude in frequency domain
units normalized and bounded within [-1,1]

[67] "frequencyBodyGyroJerkMag.mean"
average of mean of body angular velocity jerk magnitude in frequency domain
units normalized and bounded within [-1,1]

[68] "frequencyBodyGyroJerkMag.std"
average of standard deviation of body angular velocity jerk magnitude in frequency domain
units normalized and bounded within [-1,1]
