Codebook

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02/03/2020

Column names and element descriptions

Column 1: Subject, 1 - 30

the number of the 30 volunteers participating in the experiment

Column 2: Activity,

activities that were performed by the volunteers

Column 3 - 68:

[3] mean of tBodyAcc-mean()-X [4] mean of tBodyAcc-mean()-Y
[5] mean of tBodyAcc-mean()-Z [6] mean of tBodyAcc-std()-X
[7] mean of tBodyAcc-std()-Y [8] mean of tBodyAcc-std()-Z
[9] mean of tGravityAcc-mean()-X [10] mean of tGravityAcc-mean()-Y
[11] mean of tGravityAcc-mean()-Z [12] mean of tGravityAcc-std()-X
[13] mean of tGravityAcc-std()-Y [14] mean of tGravityAcc-std()-Z
[15] mean of tBodyAccJerk-mean()-X [16] mean of tBodyAccJerk-mean()-Y
[17] mean of tBodyAccJerk-mean()-Z [18] mean of tBodyAccJerk-std()-X
[19] mean of tBodyAccJerk-std()-Y [20] mean of tBodyAccJerk-std()-Z
[21] mean of tBodyGyro-mean()-X [22] mean of tBodyGyro-mean()-Y
[23] mean of tBodyGyro-mean()-Z [24] mean of tBodyGyro-std()-X
[25] mean of tBodyGyro-std()-Y [26] mean of tBodyGyro-std()-Z
[27] mean of tBodyGyroJerk-mean()-X [28] mean of tBodyGyroJerk-mean()-Y
[29] mean of tBodyGyroJerk-mean()-Z [30] mean of tBodyGyroJerk-std()-X
[31] mean of tBodyGyroJerk-std()-Y [32] mean of tBodyGyroJerk-std()-Z
[33] mean of tBodyAccMag-mean() [34] mean of tBodyAccMag-std()
[35] mean of tGravityAccMag-mean() [36] mean of tGravityAccMag-std()
[37] mean of tBodyAccJerkMag-mean() [38] mean of tBodyAccJerkMag-std()
[39] mean of tBodyGyroMag-mean() [40] mean of tBodyGyroMag-std()
[41] mean of tBodyGyroJerkMag-mean() [42] mean of tBodyGyroJerkMag-std()
[43] mean of fBodyAcc-mean()-X [44] mean of fBodyAcc-mean()-Y
[45] mean of fBodyAcc-mean()-Z [46] mean of fBodyAcc-std()-X
[47] mean of fBodyAcc-std()-Y [48] mean of fBodyAcc-std()-Z
[49] mean of fBodyAccJerk-mean()-X [50] mean of fBodyAccJerk-mean()-Y
[51] mean of fBodyAccJerk-mean()-Z [52] mean of fBodyAccJerk-std()-X
[53] mean of fBodyAccJerk-std()-Y [54] mean of fBodyAccJerk-std()-Z
[55] mean of fBodyGyro-mean()-X [56] mean of fBodyGyro-mean()-Y
[57] mean of fBodyGyro-mean()-Z [58] mean of fBodyGyro-std()-X
[59] mean of fBodyGyro-std()-Y [60] mean of fBodyGyro-std()-Z
[61] mean of fBodyAccMag-mean() [62] mean of fBodyAccMag-std()
[63] mean of fBodyBodyAccJerkMag-mean() [64] mean of fBodyBodyAccJerkMag-std()
[65] mean of fBodyBodyGyroMag-mean() [66] mean of fBodyBodyGyroMag-std()
[67] mean of fBodyBodyGyroJerkMag-mean() [68] mean of fBodyBodyGyroJerkMag-std()

full descriptive names:

[3] mean of the mean of the (time domain) Body Accelerometer Signals, X-axis
[4] mean of the mean of the (time domain) Body Accelerometer Signals, Y-axis
[5] mean of the mean of the (time domain) Body Accelerometer Signals, Z-axis
[6] mean of the standard deviation of the (time domain) Body Accelerometer Signals, X-axis
[7] mean of the standard deviation of the (time domain) Body Accelerometer Signals, Y-axis
[8] mean of the standard deviation of the (time domain) Body Accelerometer Signals, Z-axis
[9] mean of the mean of the (time domain) Gravity Accelerometer Signals, X-axis
[10] mean of the mean of the (time domain) Gravity Accelerometer Signals, Y-axis
[11] mean of the mean of the (time domain) Gravity Accelerometer Signals, Z-axis
[12] mean of the standard deviation of the (time domain) Gravity Accelerometer Signals, X-axis
[13] mean of the standard deviation of the (time domain) Gravity Accelerometer Signals, Y-axis
[14] mean of the standard deviation of the (time domain) Gravity Accelerometer Signals, Z-axis
[15] mean of the mean of the (time domain) Body Accelerometer Signals, Jerk signal, X-axis
[16] mean of the mean of the (time domain) Body Accelerometer Signals, Jerk signal, Y-axis
[17] mean of the mean of the (time domain) Body Accelerometer Signals, Jerk signal, Z-axis
[18] mean of the standard deviation of the (time domain) Body Accelerometer Signals, Jerk signal, X-axis
[19] mean of the standard deviation of the (time domain) Body Accelerometer Signals, Jerk signal, Y-axis
[20] mean of the standard deviation of the (time domain) Body Accelerometer Signals, Jerk signal, Z-axis
[21] mean of the mean of the (time domain) Body Gyroscope Signals, X-axis
[22] mean of the mean of the (time domain) Body Gyroscope Signals, Y-axis
[23] mean of the mean of the (time domain) Body Gyroscope Signals, Z-axis
[24] mean of the standard deviation of the (time domain) Body Gyroscope Signals, X-axis
[25] mean of the standard deviation of the (time domain) Body Gyroscope Signals, Y-axis
[26] mean of the standard deviation of the (time domain) Body Gyroscope Signals, Z-axis
[27] mean of the mean of the (time domain) Body Gyroscope Signals, Jerk signal, X-axis
[28] mean of the mean of the (time domain) Body Gyroscope Signals, Jerk signal, Y-axis
[29] mean of the mean of the (time domain) Body Gyroscope Signals, Jerk signal, Z-axis
[30] mean of the standard deviation of the (time domain) Body Gyroscope Signals, Jerk signal, X-axis
[31] mean of the standard deviation of the (time domain) Body Gyroscope Signals, Jerk signal, Y-axis
[32] mean of the standard deviation of the (time domain) Body Gyroscope Signals, Jerk signal, Z-axis
[33] mean of the mean of the (time domain) Body Accelerometer Signals, Magnitude
[34] mean of the standard deviation of the (time domain) Body Accelerometer Signals, Magnitude
[35] mean of the mean of the (time domain) Gravity Accelerometer Signals, Magnitude
[36] mean of the standard deviation of the (time domain) Gravity Accelerometer Signals, Magnitude
[37] mean of the mean of the (time domain) Body Accelerometer Signals, Jerk signal, Magnitude
[38] mean of the standard deviation of the (time domain) Body Accelerometer Signals, Jerk signal, Magnitude
[39] mean of the mean of the (time domain) Body Gyroscope Signals, Magnitude
[40] mean of the standard deviation of the (time domain) Body Gyroscope Signals, Magnitude
[41] mean of the mean of the (time domain) Body Gyroscope Signals, Jerk signal, Magnitude
[42] mean of the standard deviation of the (time domain) Body Gyroscope Signals, Jerk signal, Magnitude
[43] mean of the mean of the (frequency domain) Body Accelerometer Signals, X-axis
[44] mean of the mean of the (frequency domain) Body Accelerometer Signals, Y-axis
[45] mean of the mean of the (frequency domain) Body Accelerometer Signals, Z-axis
[46] mean of the standard deviation of the (frequency domain) Body Accelerometer Signals, X-axis
[47] mean of the standard deviation of the (frequency domain) Body Accelerometer Signals, Y-axis
[48] mean of the standard deviation of the (frequency domain) Body Accelerometer Signals, Z-axis
[49] mean of the mean of the (frequency domain) Body Accelerometer Signals, Jerk signal, X-axis
[50] mean of the mean of the (frequency domain) Body Accelerometer Signals, Jerk signal, Y-axis
[51] mean of the mean of the (frequency domain) Body Accelerometer Signals, Jerk signal, Z-axis
[52] mean of the standard deviation of the (frequency domain) Body Accelerometer Signals, Jerk signal,

X-axis
[53] mean of the standard deviation of the (frequency domain) Body Accelerometer Signals, Jerk signal, Y-axis
[54] mean of the standard deviation of the (frequency domain) Body Accelerometer Signals, Jerk signal, Z-axis
[55] mean of the mean of the (frequency domain) Body Gyroscope Signals, X-axis
[56] mean of the mean of the (frequency domain) Body Gyroscope Signals, Y-axis
[57] mean of the mean of the (frequency domain) Body Gyroscope Signals, Z-axis
[58] mean of the standard deviation of the (frequency domain) Body Gyroscope Signals, X-axis
[59] mean of the standard deviation of the (frequency domain) Body Gyroscope Signals, Y-axis
[60] mean of the standard deviation of the (frequency domain) Body Gyroscope Signals, Z-axis
[61] mean of the mean of the (frequency domain) Body Accelerometer Signals, Magnitude
[62] mean of the standard deviation of the (frequency domain) Body Accelerometer Signals, Magnitude
[63] mean of the mean of the (frequency domain) BodyBody Accelerometer Signals, Jerk signal, Magnitude
[64] mean of the standard deviation of the (frequency domain) BodyBody Accelerometer Signals, Jerk signal, Magnitude [65] mean of the mean of the (frequency domain) BodyBody Gyroscope Signals, Magnitude
[66] mean of the standard deviation of the (frequency domain) BodyBody Gyroscope Signals, Magnitude
[67] mean of the mean of the (frequency domain) BodyBody Gyroscope Signals, Jerk signal, Magnitude
[68] mean of the standard deviation of the (frequency domain) BodyBody Gyroscope Signals, Jerk signal, Magnitude