

Codebook

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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
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- [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
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- [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