

DATA CODEBOOK – CLEANING DATA PROJECT

subject

Subject Number 1 to 30 – volunteers who participated in the experiment.

activity

Activities performed by the subjects

- 1 WALKING
- 2 WALKING\_UPSTAIRS
- 3 WALKING\_DOWNSTAIRS
- 4 SITTING
- 5 STANDING
- 6 LAYING

tBodyAcc.mean...X

mean values of the mean t (*time domain signal*) body acceleration in X axis direction.

tBodyAcc.mean...Y

mean values of the mean t (*time domain signal*) body acceleration in Y axis direction.

tBodyAcc.mean...Z

mean values of the mean t (*time domain signal*) body acceleration in Z axis direction.

tGravityAcc.mean...X

mean values of the mean t (*time domain signal*) gravity acceleration in X axis direction.

tGravityAcc.mean...Y

mean values of the mean t (*time domain signal*) gravity acceleration in Y axis direction.

tGravityAcc.mean...Z

mean values of the mean t (*time domain signal*) gravity acceleration in Z axis direction.

tBodyAccJerk.mean...X

mean values of the mean t (*time domain signal*) body acceleration derived in time to obtain Jerk signals in X axis direction.

tBodyAccJerk.mean...Y

mean values of the mean t (*time domain signal*) body acceleration derived in time to obtain Jerk signals in Y axis direction.

tBodyAccJerk.mean...Z

mean values of the mean t (*time domain signal*) body acceleration derived in time to obtain Jerk signals in Z axis direction.

tBodyGyro.mean...X

mean values of the mean t (*time domain signal*) body angular velocity in X axis direction.

tBodyGyro.mean...Y

mean values of the mean t (*time domain signal*) body angular velocity in Y axis direction.

tBodyGyro.mean...Z  
mean values of the mean t (*time domain signal*) body angular velocity in Z axis direction.

tBodyGyroJerk.mean...X  
mean values of the mean t (*time domain signal*) body angular velocity derived in time to obtain Jerk signals in X axis direction.

tBodyGyroJerk.mean...Y  
mean values of the mean t (*time domain signal*) body angular velocity derived in time to obtain Jerk signals in Y axis direction.

tBodyGyroJerk.mean...Z  
mean values of the mean t (*time domain signal*) body angular velocity derived in time to obtain Jerk signals in Z axis direction.

tBodyAccMag.mean..  
mean values of the mean t (*time domain signal*) body acceleration magnitude

tGravityAccMag.mean..  
mean values of the mean t (*time domain signal*) gravity acceleration magnitude

tBodyAccJerkMag.mean..  
mean values of the mean t (*time domain signal*) body acceleration jerk magnitude

tBodyGyroMag.mean..  
mean values of the mean t (*time domain signal*) body angular velocity magnitude

tBodyGyroJerkMag.mean..  
mean values of the mean t (*time domain signal*) body angular velocity jerk magnitude

fBodyAcc.mean...X  
mean values of the mean f (*frequency domain signal*) body acceleration in X axis direction.

fBodyAcc.mean...Y  
mean values of the mean f (*frequency domain signal*) body acceleration in Y axis direction.

fBodyAcc.mean...Z  
mean values of the mean f (*frequency domain signal*) body acceleration in Z axis direction.

fBodyAcc.meanFreq...X  
mean values of the mean frequency of f (*frequency domain signal*) body acceleration in X axis direction.

fBodyAcc.meanFreq...Y  
mean values of the mean frequency of f (*frequency domain signal*) body acceleration in Y axis direction.

fBodyAcc.meanFreq...Z  
mean values of the mean frequency of f (*frequency domain signal*) body acceleration in Z axis direction.

fBodyAccJerk.mean...X  
mean values of the mean f (*frequency domain signal*) body acceleration derived in time to obtain Jerk signals in X axis direction.

fBodyAccJerk.mean...Y  
mean values of the mean f (*frequency domain signal*) body acceleration derived in time to obtain Jerk signals in Y axis direction.

fBodyAccJerk.mean...Z  
mean values of the mean f (*frequency domain signal*) body acceleration derived in time to obtain Jerk signals in Z axis direction.

fBodyAccJerk.meanFreq...X  
mean values of the mean frequency of f (*frequency domain signal*) body acceleration derived in time to obtain Jerk signals in X axis direction.

fBodyAccJerk.meanFreq...Y  
mean values of the mean frequency of f (*frequency domain signal*) body acceleration derived in time to obtain Jerk signals in Y axis direction.

fBodyAccJerk.meanFreq...Z  
mean values of the mean frequency of f (*frequency domain signal*) body acceleration derived in time to obtain Jerk signals in Z axis direction.

fBodyGyro.mean...X  
mean values of the mean f (*frequency domain signal*) body angular velocity in X axis direction.

fBodyGyro.mean...Y  
mean values of the mean f (*frequency domain signal*) body angular velocity in Y axis direction.

fBodyGyro.mean...Z  
mean values of the mean f (*frequency domain signal*) body angular velocity in Z axis direction.

fBodyGyro.meanFreq...X  
mean values of the mean frequency of f (*frequency domain signal*) body angular velocity in X axis direction.

fBodyGyro.meanFreq...Y  
mean values of the mean frequency of f (*frequency domain signal*) body angular velocity in Y axis direction.

fBodyGyro.meanFreq...Z  
mean values of the mean frequency of f (*frequency domain signal*) body angular velocity in Z axis direction.

fBodyAccMag.mean..  
mean values of the mean f (*frequency domain signal*) body acceleration magnitude

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fBodyAccMag.meanFreq..
    mean values of the mean frequency of f (frequency domain signal) body
    acceleration magnitude
fBodyBodyAccJerkMag.mean..
    mean values of the mean of f (frequency domain signal) bodybody
    acceleration jerk magnitude
fBodyBodyAccJerkMag.meanFreq..
    mean values of the mean of frequency of f (frequency domain signal)
    bodybody acceleration jerk magnitude

fBodyBodyGyroMag.mean..
    mean values of the mean of f (frequency domain signal) bodybody angular
    velocity magnitude

fBodyBodyGyroMag.meanFreq..
    mean values of the mean of frequency of f (frequency domain signal)
    bodybody angular velocity magnitude

fBodyBodyGyroJerkMag.mean..
    mean values of the mean of f (frequency domain signal) bodybody angular
    velocity jerk magnitude

fBodyBodyGyroJerkMag.meanFreq..
    mean values of the mean of frequency of f (frequency domain signal)
    bodybody angular velocity jerk magnitude
angle.tBodyAccMean.gravity.
    mean values of angle.tBodyAccMean.gravity.

angle.tBodyAccJerkMean..gravityMean.
    mean values of angle.tBodyAccJerkMean..gravityMean.

angle.tBodyGyroMean.gravityMean.
    mean values of angle.tBodyGyroMean.gravityMean.

angle.tBodyGyroJerkMean.gravityMean.
    mean values of angle.tBodyGyroJerkMean.gravityMean.

angle.X.gravityMean.
    mean values of angle.X.gravityMean.

angle.Y.gravityMean.
    mean values of angle.Y.gravityMean.

angle.Z.gravityMean.
    mean values of angle.Z.gravityMean.

tBodyAcc.std...X
    mean values of tBodyAcc.std...X

tBodyAcc.std...Y
    mean values of tBodyAcc.std...Y

tBodyAcc.std...Z
    mean values of tBodyAcc.std...Z

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tGravityAcc.std...X  
mean values of tGravityAcc.std...X

tGravityAcc.std...Y  
mean values of tGravityAcc.std...Y

tGravityAcc.std...Z  
mean values of tGravityAcc.std...Z

tBodyAccJerk.std...X  
mean values of tBodyAccJerk.std...X

tBodyAccJerk.std...Y  
mean values of tBodyAccJerk.std...Y

tBodyAccJerk.std...Z  
mean values of tBodyAccJerk.std...Z

tBodyGyro.std...X  
mean values of tBodyGyro.std...X

tBodyGyro.std...Y  
mean values of tBodyGyro.std...Y

tBodyGyro.std...Z  
mean values of tBodyGyro.std...Z

tBodyGyroJerk.std...X  
mean values of tBodyGyroJerk.std...X

tBodyGyroJerk.std...Y  
mean values of tBodyGyroJerk.std...Y

tBodyGyroJerk.std...Z  
mean values of tBodyGyroJerk.std...Z

tBodyAccMag.std..  
mean values of tBodyAccMag.std..

tGravityAccMag.std..  
mean values of tGravityAccMag.std..

tBodyAccJerkMag.std..  
mean values of tBodyAccJerkMag.std..

tBodyGyroMag.std..  
mean values of tBodyGyroMag.std..

tBodyGyroJerkMag.std..  
mean values of tBodyGyroJerkMag.std..

fBodyAcc.std...X  
mean values of fBodyAcc.std...X

fBodyAcc.std...Y

mean values of fBodyAcc.std...Y

fBodyAcc.std...Z  
mean values of fBodyAcc.std...Z

fBodyAccJerk.std...X  
mean values of fBodyAccJerk.std...X

fBodyAccJerk.std...Y  
mean values of fBodyAccJerk.std...Y

fBodyAccJerk.std...Z  
mean values of fBodyAccJerk.std...Z

fBodyGyro.std...X  
mean values of fBodyGyro.std...X

fBodyGyro.std...Y  
mean values of fBodyGyro.std...Y

fBodyGyro.std...Z  
mean values of fBodyGyro.std...Z

fBodyAccMag.std..  
mean values of fBodyAccMag.std..

fBodyBodyAccJerkMag.std..  
mean values of fBodyBodyAccJerkMag.std..

fBodyBodyGyroMag.std..  
mean values of fBodyBodyGyroMag.std..

fBodyBodyGyroJerkMag.std..  
mean values of fBodyBodyGyroJerkMag.std..