Subject:

The identification number of 30 volunteers who conducted the experiment. It ranges from 1 to 30.

Activity:

Six activities each person performed

WALKING, WALKING\_UPSTAIRS, WALKING\_DOWNSTAIRS, SITTING, STANDING, LAYING

tBodyAcc-mean()-X:

The average of mean value of body acceleration signal in time domain in x direction, unit in second

tBodyAcc-mean()-Y:

The average of mean value of body acceleration signal in time domain in y direction, unit in second

tBodyAcc-mean()-Z:

The average of mean value of body acceleration signal in time domain in z direction, unit in second

tBodyAcc-std()-X:

The average of standard deviation of body acceleration signal in time domain in x direction, unit in second

tBodyAcc-std()-Y:

The average of standard deviation of body acceleration signal in time domain in y direction, unit in second

tBodyAcc-std()-Z:

The average of standard deviation of body acceleration signal in time domain in z direction, unit in second

tGravityAcc-mean()-X:

The average of mean value of gravity acceleration signal in time domain in x direction, unit in second

tGravityAcc-mean()-Y:

The average of mean value of gravity acceleration signal in time domain in y direction, unit in second

tGravityAcc-mean()-Z:

The average of mean value of gravity acceleration signal in time domain in z direction, unit in second

tGravityAcc-std()-X:

The average of standard deviation of gravity acceleration signal in time domain in x direction, unit in second

tGravityAcc-std()-Y:

The average of standard deviation of gravity acceleration signal in time domain in y direction, unit in second

tGravityAcc-std()-Z:

The average of standard deviation of gravity acceleration signal in time domain in z direction, unit in second

tBodyAccJerk-mean()-X:

The average of mean value of body acceleration Jerk signal in time domain in x direction, unit in second

tBodyAccJerk-mean()-Y:

The average of mean value of body acceleration Jerk signal in time domain in y direction, unit in second

tBodyAccJerk-mean()-Z:

The average of mean value of body acceleration Jerk signal in time domain in z direction, unit in second

tBodyAccJerk-std()-X:

The average of standard deviation of body acceleration Jerk signal in time domain in x direction, unit in second

tBodyAccJerk-std()-Y:

The average of standard deviation of body acceleration Jerk signal in time domain in y direction, unit in second

tBodyAccJerk-std()-Z:

The average of standard deviation of body acceleration Jerk signal in time domain in z direction, unit in second

tBodyGyro-mean()-X:

The average of mean value of body gyroscope signal in time domain in x direction, unit in second

tBodyGyro-mean()-Y:

The average of mean value of body gyroscope signal in time domain in y direction, unit in second

tBodyGyro-mean()-Z:

The average of mean value of body gyroscope signal in time domain in z direction, unit in second

tBodyGyro-std()-X:

The average of standard deviation of body gyroscope signal in time domain in x direction, unit in second

tBodyGyro-std()-Y:

The average of standard deviation of body gyroscope signal in time domain in y direction, unit in second

tBodyGyro-std()-Z:

The average of standard deviation of body gyroscope signal in time domain in z direction, unit in second

tBodyGyroJerk-mean()-X:

The average of mean value of body gyroscope Jerk signal in time domain in x direction, unit in second

tBodyGyroJerk-mean()-Y:

The average of mean value of body gyroscope Jerk signal in time domain in y direction, unit in second

tBodyGyroJerk-mean()-Z:

The average of mean value of body gyroscope Jerk signal in time domain in z direction, unit in second

tBodyGyroJerk-std()-X:

The average of standard deviation of body gyroscope Jerk signal in time domain in x direction, unit in second

tBodyGyroJerk-std()-Y:

The average of standard deviation of body gyroscope Jerk signal in time domain in y direction, unit in second

tBodyGyroJerk-std()-Z:

The average of standard deviation of body gyroscope Jerk signal in time domain in z direction, unit in second

tBodyAccMag-mean():

The average of mean value of body accelerometer signal magnitude in time domain, unit in second

tBodyAccMag-std():

The average of standard deviation of body accelerometer signal magnitude in time domain, unit in second

tGravityAccMag-mean():

The average of mean value of gravity accelerometer signal magnitude in time domain, unit in second

tGravityAccMag-std():

The average of standard deviation of gravity accelerometer signal magnitude in time domain, unit in second

tBodyAccJerkMag-mean():

The average of mean value of body accelerometer Jerk signal magnitude in time domain, unit in second

tBodyAccJerkMag-std():

The average of standard deviation of body accelerometer Jerk signal magnitude in time domain, unit in second

tBodyGyroMag-mean():

The average of mean value of body gyroscope signal magnitude in time domain, unit in second

tBodyGyroMag-std():

The average of standard deviation of body gyroscope signal magnitude in time domain, unit in second

tBodyGyroJerkMag-mean():

The average of mean value of body gyroscope Jerk signal magnitude in time domain, unit in second

tBodyGyroJerkMag-std():

The average of standard deviation of body gyroscope Jerk signal magnitude in time domain, unit in second

fBodyAcc-mean()-X:

The average of mean value of body acceleration signal in frequency domain in x direction, unit in Hz

fBodyAcc-mean()-Y:

The average of mean value of body acceleration signal in frequency domain in y direction, unit in Hz

fBodyAcc-mean()-Z:

The average of mean value of body acceleration signal in frequency domain in z direction, unit in Hz

fBodyAcc-std()-X:

The average of standard deviation of body acceleration signal in frequency domain in x direction, unit in Hz

fBodyAcc-std()-Y:

The average of standard deviation of body acceleration signal in frequency domain in y direction, unit in Hz

fBodyAcc-std()-Z:

The average of standard deviation of body acceleration signal in frequency domain in z direction, unit in Hz

fBodyAcc-meanFreq()-X

fBodyAcc-meanFreq()-Y

fBodyAcc-meanFreq()-Z

fBodyAccJerk-mean()-X

fBodyAccJerk-mean()-Y

fBodyAccJerk-mean()-Z

fBodyAccJerk-std()-X

fBodyAccJerk-std()-Y

fBodyAccJerk-std()-Z

fBodyAccJerk-meanFreq()-X

fBodyAccJerk-meanFreq()-Y

fBodyAccJerk-meanFreq()-Z

fBodyGyro-mean()-X

fBodyGyro-mean()-Y

fBodyGyro-mean()-Z

fBodyGyro-std()-X

fBodyGyro-std()-Y

fBodyGyro-std()-Z

fBodyGyro-meanFreq()-X

fBodyGyro-meanFreq()-Y

fBodyGyro-meanFreq()-Z

fBodyAccMag-mean()

fBodyAccMag-std()

fBodyAccMag-meanFreq()

fBodyBodyAccJerkMag-mean()

fBodyBodyAccJerkMag-std()

fBodyBodyAccJerkMag-meanFreq()

fBodyBodyGyroMag-mean()

fBodyBodyGyroMag-std()

fBodyBodyGyroMag-meanFreq()

fBodyBodyGyroJerkMag-mean()

fBodyBodyGyroJerkMag-std()

fBodyBodyGyroJerkMag-meanFreq()

angle(tBodyAccMean,gravity)

angle(tBodyAccJerkMean),gravityMean)

angle(tBodyGyroMean,gravityMean)

angle(tBodyGyroJerkMean,gravityMean)

angle(X,gravityMean)

angle(Y,gravityMean)

angle(Z,gravityMean)