

## Subject

An identifier of the subject who carried out the experiment

## Activity

Activity name

1 WALKING

2 WALKING\_UPSTAIRS

3 WALKING\_DOWNSTAIRS

4 SITTING

5 STANDING

6 LAYING

## tBodyAcc\_mean\_X

Mean value of the estimated variables of the body X-acceleration for each pair of subject and activity

## tBodyAcc\_mean\_Y

Mean value of the estimated variables of the body Y-acceleration for each pair of subject and activity

## tBodyAcc\_mean\_Z

Mean value of the estimated variables of the body Z-acceleration for each pair of subject and activity

## tGravityAcc\_mean\_X

Mean value of the estimated variables of the gravity X-acceleration for each pair of subject and activity

## tGravityAcc\_mean\_Y

Mean value of the estimated variables of the gravity Y-acceleration for each pair of subject and activity

## tGravityAcc\_mean\_Z

Mean value of the estimated variables of the gravity Z-acceleration for each pair of subject and activity

## tBodyAccJerk\_mean\_X

Mean value of the estimated body X-acceleration derived in time to obtain Jerk signals for each pair of subject and activity

## tBodyAccJerk\_mean\_Y

Mean value of the estimated body Y-acceleration derived in time to obtain Jerk signals for each pair of subject and activity

tBodyAccJerk\_mean\_Z

Mean value of the estimated body Z-acceleration derived in time to obtain Jerk signals for each pair of subject and activity

tBodyGyro\_mean\_X

Mean value of the estimated body X-angular velocity from the gyroscope for each pair of subject and activity

tBodyGyro\_mean\_Y

Mean value of the estimated body Y-angular velocity from the gyroscope for each pair of subject and activity

tBodyGyro\_mean\_Z

Mean value of the estimated body Z-angular velocity from the gyroscope for each pair of subject and activity

tBodyGyroJerk\_mean\_X

Mean value of the estimated body X-angular velocity from the gyroscope derived in time to obtain Jerk signals for each pair of subject and activity

tBodyGyroJerk\_mean\_Y

Mean value of the estimated body Y-angular velocity from the gyroscope derived in time to obtain Jerk signals for each pair of subject and activity

tBodyGyroJerk\_mean\_Z

Mean value of the estimated body Z-angular velocity from the gyroscope derived in time to obtain Jerk signals for each pair of subject and activity

tBodyAccMag\_mean

Mean value of the estimated magnitude of body acceleration for each pair of subject and activity

tGravityAccMag\_mean

Mean value of the estimated magnitude of gravity acceleration for each pair of subject and activity

tBodyAccJerkMag\_mean

Mean value of the estimated magnitude of body acceleration derived in time to obtain Jerk signals for each pair of subject and activity

tBodyGyroMag\_mean

Mean value of the estimated magnitude of body angular velocity from the gyroscope for each pair of subject and activity

tBodyGyroJerkMag\_mean

Mean value of the estimated magnitude of body angular velocity from the gyroscope derived in time to obtain Jerk signals for each pair of subject and activity

fBodyAcc\_mean\_X

Mean value of the estimated FFT of body X-acceleration for each pair of subject and activity

fBodyAcc\_mean\_Y

Mean value of the estimated FFT of body Y-acceleration for each pair of subject and activity

fBodyAcc\_mean\_Z

Mean value of the estimated FFT of body Z-acceleration for each pair of subject and activity

fBodyAccJerk\_mean\_X

Mean value of the estimated FFT Jerk signals of body X-acceleration for each pair of subject and activity

fBodyAccJerk\_mean\_Y

Mean value of the estimated FFT Jerk signals of body Y-acceleration for each pair of subject and activity

fBodyAccJerk\_mean\_Z

Mean value of the estimated FFT Jerk signals of body Z-acceleration for each pair of subject and activity

fBodyGyro\_mean\_X

Mean value of the estimated FFT of body X-angular velocity from gyroscope for each pair of subject and activity

fBodyGyro\_mean\_Y

Mean value of the estimated FFT of body Y-angular velocity from gyroscope for each pair of subject and activity

fBodyGyro\_mean\_Z

Mean value of the estimated FFT of body Z-angular velocity from gyroscope for each pair of subject and activity

fBodyAccMag\_mean

Mean value of the estimated magnitude of FFT of body acceleration for each pair of subject and activity

fBodyBodyAccJerkMag\_mean

Mean value of the estimated magnitude of FFT Jerk signals of body acceleration for each pair of subject and activity

fBodyBodyGyroMag\_mean

Mean value of the estimated magnitude of FFT of body angular velocity from gyroscope for each pair of subject and activity

fBodyBodyGyroJerkMag\_mean

Mean value of the estimated magnitude of FFT Jerk signals of body angular velocity from gyroscope for each pair of subject and activity

tBodyAcc\_std\_X

Standard deviation of the estimated variables of the body X-acceleration for each pair of subject and activity

tBodyAcc\_std\_Y

Standard deviation of the estimated variables of the body Y-acceleration for each pair of subject and activity

tBodyAcc\_std\_Z

Standard deviation of the estimated variables of the body Z-acceleration for each pair of subject and activity

tGravityAcc\_std\_X

Standard deviation of the estimated variables of the gravity X-acceleration for each pair of subject and activity

tGravityAcc\_std\_Y

Standard deviation of the estimated variables of the gravity Y-acceleration for each pair of subject and activity

tGravityAcc\_std\_Z

Standard deviation of the estimated variables of the gravity Z-acceleration for each pair of subject and activity

tBodyAccJerk\_std\_X

Standard deviation of the estimated body X-acceleration derived in time to obtain Jerk signals for each pair of subject and activity

tBodyAccJerk\_std\_Y

Standard deviation of the estimated body Y-acceleration derived in time to obtain Jerk signals for each pair of subject and activity

tBodyAccJerk\_std\_Z

Standard deviation of the estimated body Z-acceleration derived in time to obtain Jerk signals for each pair of subject and activity

tBodyGyro\_std\_X

Standard deviation of the estimated body X-angular velocity from the gyroscope for each pair of subject and activity

tBodyGyro\_std\_Y

Standard deviation of the estimated body Y-angular velocity from the gyroscope for each pair of subject and activity

tBodyGyro\_std\_Z

Standard deviation of the estimated body Z-angular velocity from the gyroscope for each pair of subject and activity

tBodyGyroJerk\_std\_X

Standard deviation of the estimated Jerk signals of body X-angular velocity from the gyroscope for each pair of subject and activity

tBodyGyroJerk\_std\_Y

Standard deviation of the estimated Jerk signals of body Y-angular velocity from the gyroscope for each pair of subject and activity

tBodyGyroJerk\_std\_Z

Standard deviation of the estimated Jerk signals of body Z-angular velocity from the gyroscope for each pair of subject and activity

tBodyAccMag\_std

Standard deviation of the estimated magnitude of body acceleration for each pair of subject and activity

tGravityAccMag\_std

Standard deviation of the estimated magnitude of gravity acceleration for each pair of subject and activity

tBodyAccJerkMag\_std

Standard deviation of the estimated magnitude of Jerk signals of body acceleration for each pair of subject and activity

tBodyGyroMag\_std

Standard deviation of the estimated magnitude of body angular velocity from the gyroscope for each pair of subject and activity

tBodyGyroJerkMag\_std

Standard deviation of the estimated magnitude of Jerk signals of body angular velocity from the gyroscope for each pair of subject and activity

fBodyAcc\_std\_X

Standard deviation of the estimated FFT of body X-acceleration for each pair of subject and activity

fBodyAcc\_std\_Y

Standard deviation of the estimated FFT of body Y-acceleration for each pair of subject and activity

fBodyAcc\_std\_Z

Standard deviation of the estimated FFT of body Z-acceleration for each pair of subject and activity

fBodyAccJerk\_std\_X

Standard deviation of the estimated FFT of Jerk signals of body X-acceleration for each pair of subject and activity

fBodyAccJerk\_std\_Y

Standard deviation of the estimated FFT of Jerk signals of body Y-acceleration for each pair of subject and activity

fBodyAccJerk\_std\_Z

Standard deviation of the estimated FFT of Jerk signals of body Z-acceleration for each pair of subject and activity

fBodyGyro\_std\_X

Standard deviation of the estimated FFT of body X-angular velocity from the gyroscope for each pair of subject and activity

fBodyGyro\_std\_Y

Standard deviation of the estimated FFT of body Y-angular velocity from the gyroscope for each pair of subject and activity

fBodyGyro\_std\_Z

Standard deviation of the estimated FFT of body Z-angular velocity from the gyroscope for each pair of subject and activity

fBodyAccMag\_std

Standard deviation of the estimated magnitude of FFT of body acceleration for each pair of

subject and activity

fBodyBodyAccJerkMag\_std

Standard deviation of the estimated magnitude of FFT Jerk signal of body acceleration for each pair of subject and activity

fBodyBodyGyroMag\_std

Standard deviation of the estimated magnitude of FFT of body angular velocity from the gyroscope for each pair of subject and activity

fBodyBodyGyroJerkMag\_std

Standard deviation of the estimated magnitude of FFT Jerk signal of body angular velocity from the gyroscope for each pair of subject and activity