activity
> Activity performed by test subjects
>> LAYING
>> WALKING
>> STANDING
>> WALKING_DOWNSTAIRS
>> WALKING_UPSTAIRS
>> SITTING

subject
> 1..30 The testsubject nr.

tBodyAcc-mean-X
> -1..1 scaled mean body acceleration X component.

tBodyAcc-mean-Y
> -1..1 scaled mean body acceleration Y component.

tBodyAcc-mean-Z
> -1..1 scaled mean body acceleration Z component.

tBodyAcc-std-X
> -1..1 scaled mean standard deviation of body acceleration X component.

tBodyAcc-std-Y
> -1..1 scaled mean standard deviation of body acceleration Y component.

tBodyAcc-std-Z
> -1..1 scaled mean standard deviation of body acceleration Z component.

tGravityAcc-mean-X
> -1..1 scaled mean gravity X component.

tGravityAcc-mean-Y
> -1..1 scaled mean gravity Y component.

tGravityAcc-mean-Z
> -1..1 scaled mean gravity Z component.

tGravityAcc-std-X
> -1..1 scaled mean standard deviation of gravity X component.

tGravityAcc-std-Y
> -1..1 scaled mean standard deviation of gravity Y component.

tGravityAcc-std-Z
> -1..1 scaled mean standard deviation of gravity Z component.

tBodyAccJerk-mean-X
> -1..1 scaled mean jerk signal body acceleration X component.

tBodyAccJerk-mean-Y
> -1..1 scaled mean jerk signal body acceleration Y component.

tBodyAccJerk-mean-Z

    -1..1 scaled mean jerk signal body acceleration Z component.

tBodyAccJerk-std-X

    -1..1 scaled mean standard deviation of jerk signal body acceleration X component.

tBodyAccJerk-std-Y

    -1..1 scaled mean standard deviation of jerk signal body acceleration Y component.

tBodyAccJerk-std-Z

    -1..1 scaled mean standard deviation of jerk signal body acceleration Z component.

tBodyGyro-mean-X

    -1..1 scaled mean gyroscopic body acceleration X component.

tBodyGyro-mean-Y

    -1..1 scaled mean gyroscopic body acceleration Y component.

tBodyGyro-mean-Z

    -1..1 scaled mean gyroscopic body acceleration Z component.

tBodyGyro-std-X

    -1..1 scaled mean standard deviation of gyroscopic body acceleration X component.

tBodyGyro-std-Y

    -1..1 scaled mean standard deviation of gyroscopic body acceleration Y component.

tBodyGyro-std-Z

    -1..1 scaled mean standard deviation of gyroscopic body acceleration Z component.

tBodyGyroJerk-mean-X

    -1..1 scaled mean jerk gyroscopic body acceleration X component.

tBodyGyroJerk-mean-Y

    -1..1 scaled mean jerk gyroscopic body acceleration Y component.

tBodyGyroJerk-mean-Z

    -1..1 scaled mean jerk gyroscopic body acceleration Z component.

tBodyGyroJerk-std-X

    -1..1 scaled mean standard deviation of jerk gyroscopic body acceleration X component.

tBodyGyroJerk-std-Y

    -1..1 scaled mean standard deviation of jerk gyroscopic body acceleration Y component.

tBodyGyroJerk-std-Z

    -1..1 scaled mean standard deviation of jerk gyroscopic body acceleration Z component.

tBodyAccMag-mean

    -1..1 scaled mean magnitude of body acceleration X component.

tBodyAccMag-std
      -1..1 scaled mean standard deviation of magnitude of body acceleration X component.

tBodyAccMag-mean
      -1..1 scaled mean magnitude of body acceleration.

tBodyAccMag-std
      -1..1 scaled mean standard deviation of magnitude of body acceleration.

tGravityAccMag-mean
      -1..1 scaled mean magnitude of gravity.

tGravityAccMag-std
      -1..1 scaled mean standard deviation of magnitude of gravity.

tBodyAccJerkMag-mean
      -1..1 scaled mean magnitude of jerk body acceleration.

tBodyAccJerkMag-std
      -1..1 scaled mean standard deviation of magnitude of jerk body acceleration.

tBodyGyroMag-mean
      -1..1 scaled mean magnitude of gyroscopic body acceleration.

tBodyGyroMag-std
      -1..1 scaled mean standard deviation of magnitude of gyroscopic body acceleration.

tBodyGyroJerkMag-mean
      -1..1 scaled mean magnitude of jerk gyroscopic body acceleration.

tBodyGyroJerkMag-std
      -1..1 scaled mean standard deviation of magnitude of jerk gyroscopic body acceleration.

tBodyAcc-mean-X
      -1..1 scaled FFT of tBodyAcc-mean-X.

fBodyAcc-mean-Y
      -1..1 scaled FFT of tBodyAcc-mean-Y.

fBodyAcc-mean-Z
      -1..1 scaled FFT of tBodyAcc-mean-Z.

fBodyAcc-std-X
      -1..1 scaled FFT of tBodyAcc-std-X.

fBodyAcc-std-Y
      -1..1 scaled FFT of tBodyAcc-std-Y.

fBodyAcc-std-Z
      -1..1 scaled FFT of tBodyAcc-std-Z.

fBodyAcc-meanFreq-X

-1..1 scaled FFT of tBodyAcc-mean-X.

fBodyAcc-meanFreq-Y
-1..1 scaled FFT of tBodyAcc-mean-Y.

fBodyAcc-meanFreq-Z
-1..1 scaled FFT of tBodyAcc-mean-Z.

fBodyAccJerk-mean-X
-1..1 scaled FFT of tBodyAccJerk-mean-X.

fBodyAccJerk-mean-Y
-1..1 scaled FFT of tBodyAccJerk-mean-Y.

fBodyAccJerk-mean-Z
-1..1 scaled FFT of tBodyAccJerk-mean-Z.

fBodyAccJerk-std-X
-1..1 scaled FFT of tBodyAccJerk-std-X.

fBodyAccJerk-std-Y
-1..1 scaled FFT of tBodyAccJerk-std-Y.

fBodyAccJerk-std-Z
-1..1 scaled FFT of tBodyAccJerk-std-Z.

fBodyAccJerk-meanFreq-X
-1..1 scaled FFT of tBodyAccJerk-mean-X.

fBodyAccJerk-meanFreq-Y
-1..1 scaled FFT of tBodyAccJerk-mean-Y.

fBodyAccJerk-meanFreq-Z
-1..1 scaled FFT of tBodyAccJerk-mean-Z.

fBodyGyro-mean-X
-1..1 scaled FFT of tBodyGyro-mean-X.

fBodyGyro-mean-Y
-1..1 scaled FFT of tBodyGyro-mean-Y.

fBodyGyro-mean-Z
-1..1 scaled FFT of tBodyGyro-mean-Z.

fBodyGyro-std-X
-1..1 scaled FFT of tBodyGyro-std-X.

fBodyGyro-std-Y
-1..1 scaled FFT of tBodyGyro-std-Y.

fBodyGyro-std-Z
-1..1 scaled FFT of tBodyGyro-std-Z.

fBodyGyro-meanFreq-X
    -1..1 scaled FFT of tBodyGyro-mean-X.

fBodyGyro-meanFreq-Y
    -1..1 scaled FFT of tBodyGyro-mean-Y.

fBodyGyro-meanFreq-Z
    -1..1 scaled FFT of tBodyGyro-mean-Z.

fBodyAccMag-mean
    -1..1 scaled FFT of tBodyAccMag-mean.

fBodyAccMag-std
    -1..1 scaled FFT of tBodyAccMag-std.

fBodyAccMag-meanFreq
    -1..1 scaled FFT of tBodyAccMag-mean.

fBodyBodyAccJerkMag-mean
    -1..1 scaled FFT of tBodyBodyAccJerkMag-mean.

fBodyBodyAccJerkMag-std
    -1..1 scaled FFT of tBodyBodyAccJerkMag-std.

fBodyBodyAccJerkMag-meanFreq
    -1..1 scaled FFT of tBodyBodyAccJerkMag-mean.

fBodyBodyGyroMag-mean
    -1..1 scaled FFT of tBodyBodyGyroMag-mean.

fBodyBodyGyroMag-std
    -1..1 scaled FFT of tBodyBodyGyroMag-std.

fBodyBodyGyroMag-meanFreq
    -1..1 scaled FFT of tBodyBodyGyroMag-mean.

fBodyBodyGyroJerkMag-mean
    -1..1 scaled FFT of tBodyBodyGyroJerkMag-mean.

fBodyBodyGyroJerkMag-std
    -1..1 scaled FFT of tBodyBodyGyroJerkMag-std.

fBodyBodyGyroJerkMag-meanFreq
    -1..1 scaled FFT of tBodyBodyGyroJerkMag-mean.

angletBodyAccMean,gravity
    -1..1 scaled average Angle between mean tBodyAccMean and the mean gravity vectors.

angletBodyAccJerkMean,gravityMean
    -1..1 scaled average Angle between mean tBodyAccJerkMean and the mean gravity vectors.

angletBodyGyroMean,gravityMean

        -1..1 scaled average Angle between mean tBodyGyroMean and the mean gravity vectors.

angletBodyGyroJerkMean,gravityMean

        -1..1 scaled average Angle between mean tBodyGyroJerkMean and the mean gravity
vectors.

angleX,gravityMean

        -1..1 scaled average Angle between X direction and the mean gravity vector.

angleY,gravityMean

        -1..1 scaled average Angle between Y direction and the mean gravity vector.

angleZ,gravityMean

        -1..1 scaled average Angle between Z direction and the mean gravity vector.