Data Dictionary – UCI HAR Dataset

Activity

Activity being recorded

WALKING

WALKING_UPSTAIRS

WALKING_DOWNSTAIRS

SITTING

STANDING

LAYING

Subject

Subject code for examined subject

1-30 unique identifier

tBodyAcc.mean.X

Average (mean) time domain signal for body accelerometer on x-axis

tBodyAcc.mean.Y

Average (mean) time domain signal for body accelerometer on y-axis

tBodyAcc.mean.Z

Average (mean) time domain signal for body accelerometer on z-axis

tBodyAcc.std.X

Standard deviation for time domain signal for body accelerometer on x-axis

tBodyAcc.std.Y

Standard deviation for time domain signal for body accelerometer on y-axis

tBodyAcc.std.Z

Standard deviation for time domain signal for body accelerometer on z-axis

tGravityAcc.mean.X

Average (mean) time domain signal for gravity accelerometer on x-axis

tGravityAcc.mean.Y

Average (mean) time domain signal for gravity accelerometer on y-axis

tGravityAcc.mean.Z

Average (mean) time domain signal for gravity accelerometer on z-axis

tGravityAcc.std.X

Standard deviation for time domain signal for gravity accelerometer on x-axis

tGravityAcc.std.Y

Standard deviation for time domain signal for gravity accelerometer on y-axis

tGravityAcc.std.Z

Standard deviation for time domain signal for gravity accelerometer on z-axis

tBodyAccJerk.mean.X

Average (mean) jerk signal derived from body linear acceleration on x-axis

tBodyAccJerk.mean.Y

Average (mean) jerk signal derived from body linear acceleration on y-axis

tBodyAccJerk.mean.Z

Average (mean) jerk signal derived from body linear acceleration on z-axis

tBodyAccJerk.std.X

Standard deviation for jerk signal derived from body linear acceleration on x-axis

tBodyAccJerk.std.Y

Standard deviation for jerk signal derived from body linear acceleration on y-axis

tBodyAccJerk.std.Z

Standard deviation for jerk signal derived from body linear acceleration on z-axis

tBodyGyro.mean.X

Average (mean) time domain signal for body gyroscope on x-axis

tBodyGyro.mean.Y

Average (mean) time domain signal for body gyroscope on y-axis

tBodyGyro.mean.Z

Average (mean) time domain signal for body gyroscope on z-axis

tBodyGyro.std.X

Standard deviation for time domain signal for body gyroscope on x-axis

tBodyGyro.std.Y

Standard deviation for time domain signal for body gyroscope on y-axis

tBodyGyro.std.Z

Standard deviation for time domain signal for body gyroscope on z-axis

tBodyGyroJerk.mean.X

Average (mean) jerk signal derived from angular velocity on x-axis

tBodyGyroJerk.mean.Y

Average (mean) jerk signal derived from angular velocity on y-axis

tBodyGyroJerk.mean.Z

Average (mean) jerk signal derived from angular velocity on y-axis

tBodyGyroJerk.std.X

Standard deviation for jerk signal derived from angular velocity on x-axis

tBodyGyroJerk.std.Y

Standard deviation for jerk signal derived from angular velocity on y-axis

tBodyGyroJerk.std.Z

Standard deviation for jerk signal derived from angular velocity on z-axis

fBodyAcc.mean.X

Average (mean) time domain signal for Fast Fourier Transformed body accelerometer values on x-axis

fBodyAcc.mean.Y

Average (mean) time domain signal for Fast Fourier Transformed body accelerometer values on y-axis

fBodyAcc.mean.Z

Average (mean) time domain signal for Fast Fourier Transformed body accelerometer values on z-axis

fBodyAcc.std.X

Standard deviation for time domain signal for Fast Fourier Transformed body accelerometer values on x-axis

fBodyAcc.std.Y

Standard deviation for time domain signal for Fast Fourier Transformed body accelerometer values on y-axis

fBodyAcc.std.Z

Standard deviation for time domain signal for Fast Fourier Transformed body accelerometer values on z-axis

fBodyAccJerk.mean.X

Average (mean) jerk signal derived from Fast Fourier Transformed body linear acceleration on x-axis

fBodyAccJerk.mean.Y

Average (mean) jerk signal derived from Fast Fourier Transformed body linear acceleration on y-axis

fBodyAccJerk.mean.Z

Average (mean) jerk signal derived from Fast Fourier Transformed body linear acceleration on z-axis

fBodyAccJerk.std.X

Standard deviation for jerk signal derived from Fast Fourier Transformed body linear acceleration on x-axis

fBodyAccJerk.std.Y

Standard deviation for jerk signal derived from Fast Fourier Transformed body linear acceleration on y-axis

fBodyAccJerk.std.Z

Standard deviation for jerk signal derived from Fast Fourier Transformed body linear acceleration on z-axis

fBodyGyro.mean.X

Average (mean) Fast Fourier Transformed time domain signal for body gyroscope on x-axis

fBodyGyro.mean.Y

Average (mean) Fast Fourier Transformed time domain signal for body gyroscope on y-axis

fBodyGyro.mean.Z

Average (mean) Fast Fourier Transformed time domain signal for body gyroscope on z-axis

fBodyGyro.std.X

Standard deviation for Fast Fourier Transformed time domain signal for body gyroscope on x-axis

fBodyGyro.std.Y

Standard deviation for Fast Fourier Transformed time domain signal for body gyroscope on y-axis

fBodyGyro.std.Z

Standard deviation for Fast Fourier Transformed time domain signal for body gyroscope on z-axis