

## DATA DICTIONARY – UCI HAR DATASET

activity: varchar

Activity of the subject

WALKING

WALKING\_UPSTAIRS

WALKING\_DOWNSTAIRS

SITTING

STANDING

LAYING

subject: int

An identifier of the subject who carried out the experiment

1...30 integer identify the subjects

The following variables are the mean of the measurement for each subject and each activity. The measurements are described separately. They are all from 3-axial signals, and are all doubles.

tbodyacc-mean-x

Mean body linear acceleration in the direction of x

tbodyacc-mean-y

Mean body linear acceleration in the direction of y

tbodyacc-mean-z

Mean body linear acceleration in the direction of z

tbodyacc-std-x

Standard deviation of body linear acceleration in the direction of x

tbodyacc-std-y

Standard deviation of body linear acceleration in the direction of y

tbodyacc-std-z

Standard deviation of body linear acceleration in the direction of z

tgravityacc-mean-x

Mean gravity acceleration in the direction of x

tgravityacc-mean-y

Mean gravity acceleration in the direction of y

tgravityacc-mean-z

Mean gravity acceleration in the direction of z

tgravityacc-std-x

Standard deviation of gravity acceleration in the direction of x

tgravityacc-std-y

Standard deviation of gravity acceleration in the direction of y

tgravityacc-std-z

Standard deviation of gravity acceleration in the direction of z

tbodyaccjerk-mean-x

Mean of Jerk signals obtained from the body linear acceleration and angular velocity in the direction of x

tbodyaccjerk-mean-y

Mean of Jerk signals obtained from the body linear acceleration and angular velocity in the direction of y

tbodyaccjerk-mean-z

Mean of Jerk signals obtained from the body linear acceleration and angular velocity in the direction of z

tbodyaccjerk-std-x

Standard deviation of Jerk signals obtained from the body linear acceleration and angular velocity in the direction of x

tbodyaccjerk-std-y

Standard deviation of Jerk signals obtained from the body linear acceleration and angular velocity in the direction of y

tbodyaccjerk-std-z

Standard deviation of Jerk signals obtained from the body linear acceleration and angular velocity in the direction of z

tbodygyro-mean-x

Mean of the body rotation captured through gyroscope in the direction of x

tbodygyro-mean-y

Mean of the body rotation captured through gyroscope in the direction of y

tbodygyro-mean-z

Mean of the body rotation captured through gyroscope in the direction of z

tbodygyro-std-x

Standard deviation of the body rotation captured through gyroscope in the direction of x

tbodygyro-std-y

Standard deviation of the body rotation captured through gyroscope in the direction of y

tbodygyro-std-z

Standard deviation of the body rotation captured through gyroscope in the direction of z

tbodygyrojerk-mean-x

Mean of Jerk signals obtained from gyroscope signals in the direction of x

tbodygyrojerk-mean-y

Mean of Jerk signals obtained from gyroscope signals in the direction of y

tbodygyrojerk-mean-z

Mean of Jerk signals obtained from gyroscope signals in the direction of z

tbodygyrojerk-std-x

Standard deviation of Jerk signals obtained from gyroscope signals in the direction of x

tbodygyrojerk-std-y

Standard deviation of Jerk signals obtained from gyroscope signals in the direction of y

tbodygyrojerk-std-z

Standard deviation of Jerk signals obtained from gyroscope signals in the direction of z

tbodyaccmag-mean

Mean of the magnitude of the three-dimensional body acceleration signals using the Euclidean norm

tbodyaccmag-std

Standard deviation of the magnitude of the three-dimensional body acceleration signals using the Euclidean norm

tgravityaccmag-mean

Mean of the magnitude of the three-dimensional gravity acceleration signals using the Euclidean norm

tgravityaccmag-std

Standard deviation of the magnitude of the three-dimensional gravity acceleration signals using the Euclidean norm

tbodyaccjerkmag-mean

Mean of the magnitude of the three-dimensional body acceleration Jerk signals using the Euclidean norm

tbodyaccjerkmag-std

Standard deviation of the magnitude of the three-dimensional body acceleration Jerk signals using the Euclidean norm

tbodygyromag-mean

Mean of the magnitude of the three-dimensional body gyroscope signals using the Euclidean norm

tbodygyromag-std

Standard deviation of the magnitude of the three-dimensional body gyroscope signals using the Euclidean norm

tbodygyrojerkmag-mean

Mean of the magnitude of the three-dimensional body gyroscope Jerk signals using the Euclidean norm

tbodygyrojerkmag-std

Standard deviation of the magnitude of the three-dimensional body gyroscope Jerk signals using the Euclidean norm

fbodyacc-mean-x

Mean of the body acceleration after Fast Fourier Transform (FFT) in the direction of x

fbodyacc-mean-y

Mean of the body acceleration after Fast Fourier Transform (FFT) in the direction of y

fbodyacc-mean-z

Mean of the body acceleration after Fast Fourier Transform (FFT) in the direction of z

fbodyacc-std-x

Standard deviation of the body acceleration after Fast Fourier Transform (FFT) in the direction of x

fbodyacc-std-y

Standard deviation of the body acceleration after Fast Fourier Transform (FFT) in the direction of y

fbodyacc-std-z

Standard deviation of the body acceleration after Fast Fourier Transform (FFT) in the direction of z

fbodyaccjerk-mean-x

Mean of the body acceleration Jerk signal after Fast Fourier Transform (FFT) in the direction of x

fbodyaccjerk-mean-y

Mean of the body acceleration Jerk signal after Fast Fourier Transform (FFT) in the direction of y

fbodyaccjerk-mean-z

Mean of the body acceleration Jerk signal after Fast Fourier Transform (FFT) in the direction of z

fbodyaccjerk-std-x

Standard deviation of the body acceleration Jerk signal after Fast Fourier Transform (FFT) in the direction of x

fbodyaccjerk-std-y

Standard deviation of the body acceleration Jerk signal after Fast Fourier Transform (FFT) in the direction of y

fbodyaccjerk-std-z

Standard deviation of the body acceleration Jerk signal after Fast Fourier Transform (FFT) in the direction of z

fbodygyro-mean-x

Mean of the body gyroscope signal after Fast Fourier Transform (FFT) in the direction of x

fbodygyro-mean-y

Mean of the body gyroscope signal after Fast Fourier Transform (FFT) in the direction of y

fbodygyro-mean-z

Mean of the body gyroscope signal after Fast Fourier Transform (FFT) in the direction of z

fbodygyro-std-x

Standard deviation of the body gyroscope signal after Fast Fourier Transform (FFT) in the direction of x

fbodygyro-std-y

Standard deviation of the body gyroscope signal after Fast Fourier Transform (FFT) in the direction of y

fbodygyro-std-z

Standard deviation of the body gyroscope signal after Fast Fourier Transform (FFT) in the direction of z

fbodyaccmag-mean

Mean of the magnitude of the three-dimensional body acceleration signals after Fast Fourier Transform (FFT)

fbodyaccmag-std

Standard deviation of the magnitude of the three-dimensional body acceleration signals after Fast Fourier Transform (FFT)

fbodybodyaccjerkmag-mean

Mean of the magnitude of the three-dimensional body acceleration Jerk signals after Fast Fourier Transform (FFT)

fbodybodyaccjerkmag-std

Standard deviation of the magnitude of the three-dimensional body acceleration Jerk signals after Fast Fourier Transform (FFT)

fbodybodygyromag-mean

Mean of the magnitude of the three-dimensional body gyroscope signals after Fast Fourier Transform (FFT)

fbodybodygyromag-std

Standard deviation of the magnitude of the three-dimensional body gyroscope signals after Fast Fourier Transform (FFT)

fbodybodygyrojerkmag-mean

Mean of the magnitude of the three-dimensional body gyroscope Jerk signals after Fast Fourier Transform (FFT)

fbodybodygyrojerkmag-std

Standard deviation of the magnitude of the three-dimensional body gyroscope Jerk signals after Fast Fourier Transform (FFT)