

DATA DICTIONARY – 2014. DATA COLLECTED FROM SMARTPHONES

Subject

Subject volunteer ID
int 1 2 3 4 5 6 7 8 9 10 ... 30

Activity

Activity Name
WALKING
WALKING_UPSTAIRS
WALKING_DOWNSTAIRS
SITTING
STANDING
LAYING

TimeBodyAccelerationMeanX

Mean for the Body Acceleration (in Time) in the X Axis
numeric

TimeBodyAccelerationMeanY

Mean for the Body Acceleration (in Time) in the Y Axis
numeric

TimeBodyAccelerationMeanZ

Mean for the Body Acceleration (in Time) in the Z Axis
numeric

TimeGravityAccelerationMeanX

Mean for the Gravity Acceleration (in Time) in the X Axis
numeric

TimeGravityAccelerationMeanY

Mean for the Gravity Acceleration (in Time) in the Y Axis
numeric

TimeGravityAccelerationMeanZ

Mean for the Gravity Acceleration (in Time) in the Z Axis
numeric

TimeBodyAccelerationJerkMeanX

Mean for the Jerk Body Acceleration (in Time) in the X Axis
numeric

TimeBodyAccelerationJerkMeanY

Mean for the Jerk Body Acceleration (in Time) in the Y Axis
numeric

TimeBodyAccelerationJerkMeanZ

Mean for the Jerk Body Acceleration (in Time) in the Y Axis
numeric

TimeBodyGyroMeanX

Mean for the Body Gyroscope (in Time) in the X Axis
numeric

TimeBodyGyroMeanY

Mean for the Body Gyroscope (in Time) in the Y Axis
numeric

TimeBodyGyroMeanZ

Mean for the Body Gyroscope (in Time) in the Z Axis
numeric

TimeBodyGyroJerkMeanX
Mean for the Jerk Body Gyroscope (in Time) in the X Axis
numeric

TimeBodyGyroJerkMeanY
Mean for the Jerk Body Gyroscope (in Time) in the Y Axis
numeric

TimeBodyGyroJerkMeanZ
Mean for the Jerk Body Gyroscope (in Time) in the Z Axis
numeric

TimeBodyAccelerationMagMean
Mean for the Body Acceleration Magnitude (in Time)
numeric

TimeGravityAccelerationMagMean
Mean for the Gravity Acceleration Magnitude (in Time)
numeric

TimeBodyAccelerationJerkMagMean
Mean for the Jerk Body Acceleration Magnitude (in Time)
numeric

TimeBodyGyroMagMean
Mean for the Body Gyroscope Magnitude (in Time)
numeric

TimeBodyGyroJerkMagMean
Mean for the Jerk Body Gyroscope Magnitude (in Time)
numeric

FreqBodyAccelerationMeanX
Mean for the Body Acceleration (in Frequency) in the X Axis
numeric

FreqBodyAccelerationMeanY
Mean for the Body Acceleration (in Frequency) in the Y Axis
numeric

FreqBodyAccelerationMeanZ
Mean for the Body Acceleration (in Frequency) in the Z Axis
numeric

FreqBodyAccelerationMeanFreqX
Mean Frequency for the Body Acceleration (in Frequency) in the X Axis
numeric

FreqBodyAccelerationMeanFreqY
Mean Frequency for the Body Acceleration (in Frequency) in the Y Axis
numeric

FreqBodyAccelerationMeanFreqZ
Mean Frequency for the Body Acceleration (in Frequency) in the Z Axis
numeric

FreqBodyAccelerationJerkMeanX
Mean for the Jerk Body Acceleration (in Frequency) in the X Axis
numeric

FreqBodyAccelerationJerkMeanY
Mean for the Jerk Body Acceleration (in Frequency) in the Y Axis
numeric

FreqBodyAccelerationJerkMeanZ

Mean for the Jerk Body Acceleration (in Frequency) in the Z Axis
numeric

FreqBodyAccelerationJerkMeanFreqX

Mean Frequency for the Jerk Body Acceleration (in Frequency) in the X Axis
numeric

FreqBodyAccelerationJerkMeanFreqY

Mean Frequency for the Jerk Body Acceleration (in Frequency) in the Y Axis
numeric

FreqBodyAccelerationJerkMeanFreqZ

Mean Frequency for the Jerk Body Acceleration (in Frequency) in the Z Axis
numeric

FreqBodyGyroMeanX

Mean for the Body Gyroscope (in Frequency) in the X Axis
numeric

FreqBodyGyroMeanY

Mean for the Body Gyroscope (in Frequency) in the Y Axis
numeric

FreqBodyGyroMeanZ

Mean for the Body Gyroscope (in Frequency) in the Z Axis
numeric

FreqBodyGyroMeanFreqX

Mean Frequency for the Body Gyroscope (in Frequency) in the X Axis
numeric

FreqBodyGyroMeanFreqY

Mean Frequency for the Body Gyroscope (in Frequency) in the Y Axis
numeric

FreqBodyGyroMeanFreqZ

Mean Frequency for the Body Gyroscope (in Frequency) in the Z Axis
numeric

FreqBodyAccelerationMagMean

Mean for the Body Acceleration Magnitude (in Frequency)
numeric

FreqBodyAccelerationMagMeanFreq

Mean Frequency for the Body Acceleration Magnitude (in Frequency)
numeric

FreqBodyBodyAccelerationJerkMagMean

Mean for the Jerk Body Acceleration Magnitude (in Frequency)
numeric

FreqBodyBodyAccelerationJerkMagMeanFreq

Mean Frequency for the Jerk Body Acceleration Magnitude (in Frequency)
numeric

FreqBodyBodyGyroMagMean

Mean for the Body Gyroscope Magnitude (in Frequency)
numeric

FreqBodyBodyGyroMagMeanFreq

Mean Frequency for the Body Gyroscope Magnitude (in Frequency)
numeric

FreqBodyBodyGyroJerkMagMean

Mean for the Jerk Body Gyroscope Magnitude (in Frequency)
numeric

FreqBodyBodyGyroJerkMagMeanFreq

Mean Frequency for the Jerk Body Gyroscope Magnitude (in Frequency)
numeric

TimeBodyAccelerationstdX

Standard Deviation for the Body Acceleration (in Time) in the X Axis
numeric

TimeBodyAccelerationstdY

Standard Deviation for the Body Acceleration (in Time) in the Y Axis
numeric

TimeBodyAccelerationstdZ

Standard Deviation for the Body Acceleration (in Time) in the Z Axis
numeric

TimeGravityAccelerationstdX

Standard Deviation for the Gravity Acceleration (in Time) in the X Axis
numeric

TimeGravityAccelerationstdY

Standard Deviation for the Gravity Acceleration (in Time) in the Y Axis
numeric

TimeGravityAccelerationstdZ

Standard Deviation for the Gravity Acceleration (in Time) in the Z Axis
numeric

TimeBodyAccelerationJerkstdX

Standard Deviation for the Jerk Body Acceleration (in Time) in the X Axis
numeric

TimeBodyAccelerationJerkstdY

Standard Deviation for the Jerk Body Acceleration (in Time) in the Y Axis
numeric

TimeBodyAccelerationJerkstdZ

Standard Deviation for the Jerk Body Acceleration (in Time) in the Z Axis
numeric

TimeBodyGyrostdX

Standard Deviation for the Body Gyroscope (in Time) in the X Axis
numeric

TimeBodyGyrostdY

Standard Deviation for the Body Gyroscope (in Time) in the Y Axis
numeric

TimeBodyGyrostdZ

Standard Deviation for the Body Gyroscope (in Time) in the Z Axis
numeric

TimeBodyGyroJerkstdX

Standard Deviation for the Jerk Body Gyroscope (in Time) in the X Axis
numeric

TimeBodyGyroJerkstdY

Standard Deviation for the Jerk Body Gyroscope (in Time) in the X Axis
numeric

TimeBodyGyroJerkstdZ
Standard Deviation for the Jerk Body Gyroscope (in Time) in the X Axis
numeric

TimeBodyAccelerationMagstd
Standard Deviation for the Body Acceleration Magnitude (in Time)
numeric

TimeGravityAccelerationMagstd
Standard Deviation for the Gravity Acceleration Magnitude (in Time)
numeric

TimeBodyAccelerationJerkMagstd
Standard Deviation for the Jerk Body Acceleration Magnitude (in Time)
numeric

TimeBodyGyroMagstd
Standard Deviation for the Body Gyroscope Magnitude (in Time)
numeric

TimeBodyGyroJerkMagstd
Standard Deviation for the Jerk Body Gyroscope Magnitude (in Time)
numeric

FreqBodyAccelerationstdX
Standard Deviation for the Body Acceleration (in Frequency) in the X Axis
numeric

FreqBodyAccelerationstdY
Standard Deviation for the Body Acceleration (in Frequency) in the Y Axis
numeric

FreqBodyAccelerationstdZ
Standard Deviation for the Body Acceleration (in Frequency) in the Z Axis
numeric

FreqBodyAccelerationJerkstdX
Standard Deviation for the Jerk Body Acceleration (in Frequency) in the X
Axis
numeric

FreqBodyAccelerationJerkstdY
Standard Deviation for the Jerk Body Acceleration (in Frequency) in the Y
Axis
numeric

FreqBodyAccelerationJerkstdZ
Standard Deviation for the Jerk Body Acceleration (in Frequency) in the Z
Axis
numeric

FreqBodyGyrostdX
Standard Deviation for the Body Gyroscope (in Frequency) in the X Axis
numeric

FreqBodyGyrostdY
Standard Deviation for the Body Gyroscope (in Frequency) in the Y Axis
numeric

FreqBodyGyrostdZ
Standard Deviation for the Body Gyroscope (in Frequency) in the Z Axis
numeric

FreqBodyAccelerationMagstd

Standard Deviation for the Body Acceleration Magnitude (in Frequency)
numeric

FreqBodyBodyAccelerationJerkMagstd

Standard Deviation for the Jerk Body Acceleration Magnitude (in Frequency)
numeric

FreqBodyBodyGyroMagstd

Standard Deviation for the Body Gyroscope Magnitude (in Frequency)
numeric

FreqBodyBodyGyroJerkMagstd

Standard Deviation for the Jerk Body Gyroscope Magnitude (in Frequency)
numeric