Data Dictionary – TidyData.txt

subjectlabels

Number of the person who was participating in the experiment, ranging from 1 to 30, within an age bracket of 19-48 years.

activity

Each person performed six activities:

Walking
Walking_Upstairs
Walking_Downstairs
Sitting
Standing
Laying

wearing a smartphone (Samsung Galaxy S II) on the waist.

All variables below represent "mean of means" and "means of standard deviations".

tBodyAcc-mean()-X

Prefix t denotes time.
BodyAcc = Body Accelerometer signals.
Mean() = mean value
X= Accelerometer three axial row signals.

tBodyAcc-mean()-Y

Prefix t denotes time.
BodyAcc = Body Accelerometer signals.
Mean() = mean value
Y= Accelerometer three axial row signals.

tBodyAcc-mean()-Z

Prefix t denotes time.
BodyAcc = Body Accelerometer signals.
Mean() = mean value
Z = Accelerometer three axial row signals.

tBodyAcc-std()-X

Prefix t denotes time.
BodyAcc = Body Accelerometer signals.
std() = standard deviation
X = Accelerometer three axial row signals.

tBodyAcc-std()-Y

Prefix t denotes time.
BodyAcc = Body Accelerometer signals.
std() = standard deviation
Y = Accelerometer three axial row signals.

tBodyAcc-std()-Z

Prefix t denotes time.
BodyAcc = Body Accelerometer signals.
std() = standard deviation
Z = Accelerometer three axial row signals.

tGravityAcc-mean()-X

Prefix t denotes time.
GravityAcc = Gravity Accelerometer signals.
Mean() = mean value
X = Accelerometer three axial row signals.

tGravityAcc-mean()-Y

Prefix t denotes time.
GravityAcc = Gravity Accelerometer signals.
Mean() = mean value
Y = Accelerometer three axial row signals.

tGravityAcc-mean()-Z

Prefix t denotes time.
GravityAcc = Gravity Accelerometer signals.
Mean() = mean value
Z = Accelerometer three axial row signals.

tGravityAcc-std()-X

Prefix t denotes time.
GravityAcc = Gravity Accelerometer signals.
std() = standard deviation
X = Accelerometer three axial row signals.

tGravityAcc-std()-Y

Prefix t denotes time.
GravityAcc = Gravity Accelerometer signals.
std() = standard deviation
Y = Accelerometer three axial row signals.

tGravityAcc-std()-Z

Prefix t denotes time.
GravityAcc = Gravity Accelerometer signals.
std() = standard deviation
Z = Accelerometer three axial row signals.

tBodyAccJerk-mean()-X

Prefix t denotes time.
BodyAccJerk = Body Linear Accelerometer signals.
mean() = mean value
X = Accelerometer three axial row signals.

tBodyAccJerk-mean()-Y

Prefix t denotes time.
BodyAccJerk = Body Linear Accelerometer signals.
mean() = mean value
Y = Accelerometer three axial row signals.

tBodyAccJerk-mean()-Z

Prefix t denotes time.
BodyAccJerk = Body Linear Accelerometer signals.
mean() = mean value
Z = Accelerometer three axial row signals.

tBodyAccJerk-std()-X

Prefix t denotes time.
BodyAccJerk = Body Linear Accelerometer signals.
std() = standard deviation
X = Accelerometer three axial row signals.

tBodyAccJerk-std()-Y

Prefix t denotes time.
BodyAccJerk = Body Linear Accelerometer signals.
std() = standard deviation
Y = Accelerometer three axial row signals.

tBodyAccJerk-std()-Z

Prefix t denotes time.
BodyAccJerk = Body Linear Accelerometer signals.
std() = standard deviation
Z = Accelerometer three axial row signals.

tBodyGyro-mean()-X

Prefix t denotes time.
BodyGyro = angular veolocity signals.
mean() = mean value
X = Accelerometer three axial row signals.

tBodyGyro-mean()-Y

Prefix t denotes time.
BodyGyro = angular veolocity signals.
mean() = mean value
Y = Accelerometer three axial row signals.

tBodyGyro-mean()-Z

Prefix t denotes time.
BodyGyro = angular veolocity signals.
mean() = mean value
Z = Accelerometer three axial row signals.

tBodyGyro-std()-Z

Prefix t denotes time.
BodyGyro = angular veolocity signals.
std() = standard deviation
Z = Accelerometer three axial row signals.

tBodyGyro-std()-Y

Prefix t denotes time.
BodyGyro = angular veolocity signals.
std() = standard deviation
Y = Accelerometer three axial row signals.

tBodyGyro-std()-Z

Prefix t denotes time.
BodyGyro = angular veolocity signals.
std() = standard deviation
Z = Accelerometer three axial row signals.

tBodyGyroJerk-mean()-X

Prefix t denotes time.
GyroJerk = Jerk signals.
mean() = mean value
X = Accelerometer three axial row signals.

tBodyGyroJerk-mean()-Y

Prefix t denotes time.
GyroJerk = Jerk signals.
mean() = mean value
Y = Accelerometer three axial row signals.

tBodyGyroJerk-mean()-Z

Prefix t denotes time.
GyroJerk = Jerk signals.
mean() = mean value
Z = Accelerometer three axial row signals.

tBodyGyroJerk-std()-X

Prefix t denotes time.
GyroJerk = Jerk signals.
std() = standard deviation
X= Accelerometer three axial row signals.

tBodyGyroJerk-std()-Y

Prefix t denotes time.
GyroJerk = Jerk signals.
std() = standard deviation
Y = Accelerometer three axial row signals.

tBodyGyroJerk-std()-Z

Prefix t denotes time.
GyroJerk = Jerk signals.
std() = standard deviation
Z = Accelerometer three axial row signals.

tBodyAccMag-mean()

Prefix t denotes time.
AccMag = Magnitude calculated using the Euclidian Norm.
mean() = mean value

tBodyAccMag-std()

Prefix t denotes time.
AccMag = Magnitude calculated using the Euclidian Norm.
std() = standard deviation

tGravityAccMag-mean()

Prefix t denotes time.
GravityAccMag = Gravity Magnitude calculated using the Euclidian Norm.
mean() = mean value

tGravityAccMag-std()

Prefix t denotes time.
GravityAccMag = Gravity Magnitude calculated using the Euclidian Norm.
std() = standard deviation

tBodyAccJerkMag-mean()

Prefix t denotes time.
BodyAccJerkMag = Body Magnitude calculated using the Euclidian Norm.
mean() = mean value

tBodyAccJerkMag-std()

Prefix t denotes time.
BodyAccJerkMag = Body Magnitude calculated using the Euclidian Norm.
std() = standard deviation

tBodyGyroMag-mean()

Prefix t denotes time.
BodyGyroMag = Body Magnitude calculated using the Euclidian Norm.
mean() = mean value

tBodyGyroMag-std()

Prefix t denotes time.
BodyGyroMag = Body Magnitude calculated using the Euclidian Norm.
std() = standard deviation

tBodyGyroJerkMag-mean()

Prefix t denotes time.
BodyGyroJerkMag = Body Magnitude calculated using the Euclidian Norm.
mean() = mean value

tBodyGyroJerkMag-std()

Prefix t denotes time.
BodyGyroJerkMag = Body Magnitude calculated using the Euclidian Norm.
std() = standard deviation

fBodyAcc-mean()-X

Prefix f denotes frecuency.
BodyAcc = Body Accelerometer Signals
mean() = mean value
X = Accelerometer three axial row signals.

fBodyAcc-mean()-Y

Prefix f denotes frecuency.
BodyAcc = Body Accelerometer Signals
mean() = mean value
Y = Accelerometer three axial row signals.

fBodyAcc-mean()-Z

Prefix f denotes frecuency.
BodyAcc = Body Accelerometer Signals
mean() = mean value
Z = Accelerometer three axial row signals.

fBodyAcc-std()-X

Prefix f denotes frecuency.
BodyAcc = Body Accelerometer Signals
std() = standard deviation
X = Accelerometer three axial row signals.

fBodyAcc-std()-Y

Prefix f denotes frecuency.
BodyAcc = Body Accelerometer Signals
std() = standard deviation
Y = Accelerometer three axial row signals.

fBodyAcc-std()-Z

Prefix f denotes frecuency.
BodyAcc = Body Accelerometer Signals
std() = standard deviation
Z = Accelerometer three axial row signals.

fBodyAcc-meanFreq()-X

Prefix f denotes frecuency.
BodyAcc = Body Accelerometer Signals
meanFreq() = Weighted average of the frequency components to obtain a mean frequency
X = Accelerometer three axial row signals.

fBodyAcc-meanFreq()-Z

Prefix f denotes frecuency.
BodyAcc = Body Accelerometer Signals
meanFreq() = Weighted average of the frequency components to obtain a mean frequency
Z = Accelerometer three axial row signals.

fBodyAcc-meanFreq()-X

Prefix f denotes frecuency.
BodyAcc = Body Accelerometer Signals
meanFreq() = Weighted average of the frequency components to obtain a mean frequency
X = Accelerometer three axial row signals.

fBodyAcc-meanFreq()-Y

Prefix f denotes frecuency.
BodyAcc = Body Accelerometer Signals
meanFreq() = Weighted average of the frequency components to obtain a mean frequency
XYZ = Accelerometer three axial row signals.

fBodyAcc-meanFreq()-Z

Prefix f denotes frecuency.
BodyAcc = Body Accelerometer Signals
meanFreq() = Weighted average of the frequency components to obtain a mean frequency
Z = Accelerometer three axial row signals.

fBodyAccJerk-mean()-X

Prefix f denotes frecuency.
BodyAcc = Body Accelerometer Signals
mean() = mean value
X = Accelerometer three axial row signals.

fBodyAccJerk-mean()-Y

Prefix f denotes frecuency.
BodyAcc = Body Accelerometer Signals
mean() = mean value
Y = Accelerometer three axial row signals.

fBodyAccJerk-mean()-Z

Prefix f denotes frecuency.
BodyAcc = Body Accelerometer Signals
mean() = mean value
Z = Accelerometer three axial row signals.

fBodyGyro-std()-X

Prefix f denotes frecuency.
BodyGyro = Body Gyroscope Signals
std() = standard deviation
X = Gyroscope three axial row signals.

fBodyGyro-std()-Y

Prefix f denotes frecuency.
BodyGyro = Body Gyroscope Signals
std() = standard deviation
Y = Gyroscope three axial row signals.

fBodyGyro-std()-Z

Prefix f denotes frecuency.
BodyGyro = Body Gyroscope Signals
std() = standard deviation
Z = Gyroscope three axial row signals.

fBodyGyro-mean()-X

Prefix f denotes frecuency.
BodyGyro = Body Gyroscope Signals
mean() = mean value
X= Gyroscope three axial row signals.

fBodyGyro-mean()-Y

Prefix f denotes frecuency.
BodyGyro = Body Gyroscope Signals
mean() = mean value
Y = Gyroscope three axial row signals.

fBodyGyro-mean()-Z

Prefix f denotes frecuency.
BodyGyro = Body Gyroscope Signals
mean() = mean value
Z = Gyroscope three axial row signals.

fBodyAccMag-std()

Prefix f denotes frecuency.
BodyAccMag = Body Magnitude calculated using the Euclidian Norm.
std() = standard deviation

fBodyAccMag-mean()

Prefix f denotes frecuency.
BodyAccMag = Body Magnitude calculated using the Euclidian Norm.
mean() = mean value

fBodyAccJerk-meanFreq()-X

Prefix f denotes frecuency.
BodyAccJerk = Body Accelerometer Signals
meanFreq() = Weighted average of the frequency components to obtain a mean frequency
X = Accelerometer three axial row signals.

fBodyAccJerk-meanFreq()-Y

Prefix f denotes frecuency.
BodyAccJerk = Body Accelerometer Signals
meanFreq() = Weighted average of the frequency components to obtain a mean frequency
Y = Accelerometer three axial row signals.

fBodyAccJerk-meanFreq()-Z

Prefix f denotes frecuency.
BodyAccJerk = Body Accelerometer Signals
meanFreq() = Weighted average of the frequency components to obtain a mean frequency
Z = Accelerometer three axial row signals.

fBodyBodyAccJerkMag-std()

Prefix f denotes frecuency.
BodyBodyAccJerkMag = Body Accelerometer Signals
std() = standard deviation

fBodyBodyAccJerkMag-mean()

Prefix f denotes frecuency.
BodyBodyAccJerkMag = Body Accelerometer Signals
mean() = mean value

fBodyBodyGyroMag-std()

Prefix f denotes frecuency.
BodyBodyGyroMag = Body Magnitude calculated using the Euclidian Norm.
std() = standard deviation

fBodyBodyGyroMag-mean()

Prefix f denotes frecuency.
BodyBodyGyroMag = Body Magnitude calculated using the Euclidian Norm.
mean() = mean value

fBodyBodyAccJerkMag-meanFreq()

Prefix f denotes frecuency.
BodyBodyAccJerkMag = Body Magnitude calculated using the Euclidian Norm
meanFreq() = Weighted average of the frequency components to obtain a mean frequency

fBodyBodyGyroMag-mean()

Prefix f denotes frecuency.
BodyBodyGyroMag = Body Gyroscope Signals
mean() = mean value

fBodyBodyGyroMag-meanFreq()

Prefix f denotes frecuency.
BodyBodyGyroMag = Body Magnitude calculated using the Euclidian Norm
meanFreq() = Weighted average of the frequency components to obtain a mean frequency

fBodyBodyGyroJerkMag-mean()

Prefix f denotes frecuency.
BodyBodyGyroJerkMag = Body Gyroscope Signals
mean() = mean value

fBodyBodyGyroJerkMag-meanFreq()

Prefix f denotes frecuency.
BodyBodyGyroMag = Body Magnitude calculated using the Euclidian Norm
meanFreq() = Weighted average of the frequency components to obtain a mean frequency