Subject : The subject for the observations.

    Length: 2

    Data type: Numeric

    It can be between 1 and 30

Activity: The activity performed during the observation

    Length: variable

    Data type: string

    It can have any of the following values:

        WALKING

        WALKING_UPSTAIRS

        WALKING_DOWNSTAIRS

        SITTING

        STANDING

        LAYING

The following variables represent the average of each respective variable for each activity and each subject for all the mean and standard deviation calculated on the Human Activity Recognition Using Smartphones Dataset Version 1.0. A full description of that study is available at the site where the data was obtained:

http://archive.ics.uci.edu/ml/datasets/Human+Activity+Recognition+Using+Smartphones

They are all numeric variables with a possible value between -1 and 1. The prefix "t" denotes time domain signal. The "f" prefix denotes frequency domain signal.

Postfix x, y and z is used to denote 3-axial signals in the X, Y and Z directions.

tbodyaccmeanx

tbodyaccmeany

tbodyaccmeanz

tgravityaccmeanx

tgravityaccmeany

tgravityaccmeanz

tbodyaccjerkmeanx

tbodyaccjerkmeany

tbodyaccjerkmeanz

tbodygyromeanx

tbodygyromeany

tbodygyromeanz

tbodygyrojerkmeanx

tbodygyrojerkmeany

tbodygyrojerkmeanz

tbodyaccmagmean

tgravityaccmagmean

tbodyaccjerkmagmean

tbodygyromagmean

tbodygyrojerkmagmean

fbodyaccmeanx

fbodyaccmeany

fbodyaccmeanz

fbodyaccjerkmeanx

fbodyaccjerkmeany

fbodyaccjerkmeanz

fbodygyromeanx

fbodygyromeany

fbodygyromeanz

fbodyaccmagmean

fbodybodyaccjerkmagmean

fbodybodygyromagmean

fbodybodygyrojerkmagmean

tbodyaccstdx

tbodyaccstdy

tbodyaccstdz

tgravityaccstdx

tgravityaccstdy

tgravityaccstdz

tbodyaccjerkstdx

tbodyaccjerkstdy

tbodyaccjerkstdz

tbodygyrostdx

tbodygyrostdy

tbodygyrostdz

tbodygyrojerkstdx

tbodygyrojerkstdy

tbodygyrojerkstdz

tbodyaccmagstd

tgravityaccmagstd

tbodyaccjerkmagstd

tbodygyromagstd

tbodygyrojerkmagstd

fbodyaccstdx

fbodyaccstdy

fbodyaccstdz

fbodyaccjerkstdx

fbodyaccjerkstdy

fbodyaccjerkstdz

fbodygyrostdx

fbodygyrostdy

fbodygyrostdz

fbodyaccmagstd

fbodybodyaccjerkmagstd

fbodybodygyromagstd

fbodybodygyrojerkmagstd

License:

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This dataset is an extract and summarization of the data generated by [1]

[1] Davide Anguita, Alessandro Ghio, Luca Oneto, Xavier Parra and Jorge L. Reyes-Ortiz. Human Activity Recognition on Smartphones using a Multiclass Hardware-Friendly Support Vector Machine. International Workshop of Ambient Assisted Living (IWAAL 2012). Vitoria-Gasteiz, Spain. Dec 2012.