activity

an activity label   performed by 30 volunteers https://d396qusza40orc.cloudfront.net/getdata%2Fprojectfiles%2FUCI%20HAR%20Dataset.zipin the age group of 19-48 years.

Each volunteer performed six activities: WALKING
                                                                        WALKING_UPSTAIRS
                                                                        WALKING_DOWNSTAIRS
                                                                        SITTING
                                                                        STANDING
                                                                        LYING

subject

identifier of the volunteer performing an activity in each window sample ranging from 1 to 30.

type

names of the features came from accelerometer and gyroscope.

This acceleration is then seperated into body and gravity acceleration signals.

BodyAcc
GravityAcc

Subsequently the body linear acceleration and angular velocity were derived in time to obtain jerk signals.

BodyAccJerk
BodyGyroJerk
Also the magnitude

BodyAccMag
GravityAccMag
BodyAccJerkMag
BodyGyroMag
BodyGyroJerkMag

Domain
time(t)
frequency(f)

Co-ordinates
measurements taken in 3-axial signals in X,Y,Z directions for each feature.

Statistics
The set of variables estimated from the time and frequency signals.

Measurements indicates the values of features normalised and bounded in [-1,1]