

DATA DICTIONARY

Summary of Means and Standard deviations of Human Activity Recognition Using Smartphones.

The summary table captures mean (column name ending in Mean) and Standard deviation (column name ending std) of the estimate variables of the feature vector for each pattern: '.X, .Y, .Z' (wherever present).

Subjects 1 to 30

Activities:

1. WALKING
2. WALKING_UPSTAIRS
3. WALKING_DOWNSTAIRS
4. SITTING
5. STANDING
6. LAYING

Time Domain Signals

TimeBodyAcc(Mean, Std);(.X, .Y, .Z)
TimeGravityAcc(Mean, Std);(.X, .Y, .Z)
TimeBodyAccJerk(Mean, Std);(.X, .Y, .Z)
TimeBodyGyro(Mean, Std);(.X, .Y, .Z)
TimeBodyGyroJerk(Mean, Std);(.X, .Y, .Z)
TimeBodyAccMag(Mean, Std)
TimeGravityAccMag(Mean, Std)
TimeBodyAccJerkMag(Mean, Std)
TimeBodyGyroMag(Mean, Std)
TimeBodyGyroJerkMag(Mean, Std)

Frequency Domain signals

FreqBodyAcc(Mean, Std);(.X, .Y, .Z)
FreqBodyAccJerk(Mean, Std);(.X, .Y, .Z)
FreqBodyGyro(Mean, Std);(.X, .Y, .Z)
FreqBodyAccMag(Mean, Std)
FreqBodyAccJerkMag(Mean, Std);(.X, .Y, .Z)
FreqBodyGyroMag(Mean, Std);(.X, .Y, .Z)
FreqBodyGyroJerkMag(Mean, Std);(.X, .Y, .Z)
FreqBodyGyroMeanQ.(.X,.Y,.X)

Angle variables

AngleTimeBodyAccMeanGravity
AngleTimeBodyAccJerkMeanGravityMean
AngleTimeBodyGyroMeanGravityMean
AngleTimeBodyGyroJerkMeanGravityMean
AngleGravityMean.X
AngleGravityMean.Y
AngleGravityMean.Z