Human Activity Recognition Using Smartphones Data Set

Variable Name	Description	Data Range
Subject	Subject Number	1...30
Activity	Activity Name	LAYING SITTING STANDING WALKING WALKING_DOWNSTAIRS WALKING_UPSTAIRS
tBodyAcc-mean()-X	Mean of Body Acceleration Signal in X Axis in Time Domain	-1..1
tBodyAcc-mean()-Y	Mean of Body Acceleration Signal in Y Axis in Time Domain	-1..1
tBodyAcc-mean()-Z	Mean of Body Acceleration Signal in Z Axis in Time Domain	-1..1
tBodyAcc-std()-X	Standard Deviation of Body Acceleration Signal in X Axis in Time Domain	-1..1
tBodyAcc-std()-Y	Standard Deviation of Body Acceleration Signal in Y Axis in Time Domain	-1..1
tBodyAcc-std()-Z	Standard Deviation of Body Acceleration Signal in Z Axis in Time Domain	-1..1
tGravityAcc-mean()-X	Mean of Gravity Acceleration Signal in X Axis in Time Domain	-1..1
tGravityAcc-mean()-Y	Mean of Gravity Acceleration Signal in Y Axis in Time Domain	-1..1
tGravityAcc-mean()-Z	Mean of Gravity Acceleration Signal in Z Axis in Time Domain	-1..1
tGravityAcc-std()-X	Standard Deviation of Gravity Acceleration Signal in X Axis in Time Domain	-1..1
tGravityAcc-std()-Y	Standard Deviation of Gravity Acceleration Signal in Y Axis in Time Domain	-1..1
tGravityAcc-std()-Z	Standard Deviation of Gravity Acceleration Signal in Z Axis in Time Domain	-1..1
tBodyAccJerk-mean()-X	Mean of Body Acceleration Jerk Signal in X Axis in Time Domain	-1..1
tBodyAccJerk-mean()-Y	Mean of Body Acceleration Jerk Signal in Y Axis in Time Domain	-1..1
tBodyAccJerk-mean()-Z	Mean of Body Acceleration Jerk Signal in Z Axis in Time Domain	-1..1
tBodyAccJerk-std()-X	Standard Deviation of Body Acceleration Jerk Signal in X Axis in Time Domain	-1..1
tBodyAccJerk-std()-Y	Standard Deviation of Body Acceleration Jerk Signal in Y Axis in Time Domain	-1..1
tBodyAccJerk-std()-Z	Standard Deviation of Body Acceleration Jerk Signal in Z Axis in Time Domain	-1..1
tBodyGyro-mean()-X	Mean of Body Gyroscope Signal in X Axis in Time Domain	-1..1
tBodyGyro-mean()-Y	Mean of Body Gyroscope Signal in Y Axis in Time Domain	-1..1
tBodyGyro-mean()-Z	Mean of Body Gyroscope Signal in Z Axis in Time Domain	-1..1
tBodyGyro-std()-X	Standard Deviation of Body Gyroscope Signal in X Axis in Time Domain	-1..1
tBodyGyro-std()-Y	Standard Deviation of Body Gyroscope Signal in Y Axis in Time Domain	-1..1
tBodyGyro-std()-Z	Standard Deviation of Body Gyroscope Signal in Z Axis in Time Domain	-1..1
tBodyGyroJerk-mean()-X	Mean of Body Gyroscope Jerk Signal in X Axis in Time Domain	-1..1
tBodyGyroJerk-mean()-Y	Mean of Body Gyroscope Jerk Signal in Y Axis in Time Domain	-1..1
tBodyGyroJerk-mean()-Z	Mean of Body Gyroscope Jerk Signal in Z Axis in Time Domain	-1..1
tBodyGyroJerk-std()-X	Standard Deviation of Body Gyroscope Jerk Signal in X Axis in Time Domain	-1..1
tBodyGyroJerk-std()-Y	Standard Deviation of Body Gyroscope Jerk Signal in Y Axis in Time Domain	-1..1
tBodyGyroJerk-std()-Z	Standard Deviation of Body Gyroscope Jerk Signal in Z Axis in Time Domain	-1..1
tBodyAccMag-mean()	Mean of Magnitude of Body Acceleration Signal in X Axis in Time Domain	-1..1
tBodyAccMag-std()	Standard Deviation of Magnitude of Body Acceleration Signal in X Axis in Time Domain	-1..1
tGravityAccMag-mean()	Mean of Magnitude of Gravity Acceleration Signal in X Axis in Time Domain	-1..1
tGravityAccMag-std()	Standard Deviation of Magnitude of Gravity Acceleration Signal in X Axis in Time Domain	-1..1
tBodyAccJerkMag-mean()	Mean of Magnitude of Body Acceleration Jerk Signal in X Axis in Time Domain	-1..1
tBodyAccJerkMag-std()	Standard Deviation of Magnitude of Body Acceleration Jerk Signal in X Axis in Time Domain	-1..1
tBodyGyroMag-mean()	Mean of Magnitude of Body Gyroscope Signal in X Axis in Time Domain	-1..1
tBodyGyroMag-std()	Standard Deviation of Magnitude of Body Gyroscope Signal in X Axis in Time Domain	-1..1
tBodyGyroJerkMag-mean()	Mean of Magnitude of Body Gyroscope Jerk Signal in X Axis in Time Domain	-1..1
tBodyGyroJerkMag-std()	Standard Deviation of Magnitude of Body Gyroscope Jerk Signal in X Axis in Time Domain	-1..1
fBodyAcc-mean()-X	Mean of Body Acceleration Signal in X Axis in Frequency Domain	-1..1
fBodyAcc-mean()-Y	Mean of Body Acceleration Signal in Y Axis in Frequency Domain	-1..1
fBodyAcc-mean()-Z	Mean of Body Acceleration Signal in Z Axis in Frequency Domain	-1..1
fBodyAcc-std()-X	Standard Deviation of Body Acceleration Signal in X Axis in Frequency Domain	-1..1
fBodyAcc-std()-Y	Standard Deviation of Body Acceleration Signal in Y Axis in Frequency Domain	-1..1
fBodyAcc-std()-Z	Standard Deviation of Body Acceleration Signal in Z Axis in Frequency Domain	-1..1
fBodyAccJerk-mean()-X	Mean of Body Acceleration Jerk Signal in X Axis in Frequency Domain	-1..1
fBodyAccJerk-mean()-Y	Mean of Body Acceleration Jerk Signal in Y Axis in Frequency Domain	-1..1
fBodyAccJerk-mean()-Z	Mean of Body Acceleration Jerk Signal in Z Axis in Frequency Domain	-1..1
fBodyAccJerk-std()-X	Standard Deviation of Body Acceleration Jerk Signal in X Axis in Frequency Domain	-1..1
fBodyAccJerk-std()-Y	Standard Deviation of Body Acceleration Jerk Signal in Y Axis in Frequency Domain	-1..1
fBodyAccJerk-std()-Z	Standard Deviation of Body Acceleration Jerk Signal in Z Axis in Frequency Domain	-1..1
fBodyGyro-mean()-X	Mean of Body Gyroscope Signal in X Axis in Frequency Domain	-1..1
fBodyGyro-mean()-Y	Mean of Body Gyroscope Signal in Y Axis in Frequency Domain	-1..1
fBodyGyro-mean()-Z	Mean of Body Gyroscope Signal in Z Axis in Frequency Domain	-1..1
fBodyGyro-std()-X	Standard Deviation of Body Gyroscope Signal in X Axis in Frequency Domain	-1..1
fBodyGyro-std()-Y	Standard Deviation of Body Gyroscope Signal in Y Axis in Frequency Domain	-1..1
fBodyGyro-std()-Z	Standard Deviation of Body Gyroscope Signal in Z Axis in Frequency Domain	-1..1
fBodyAccMag-mean()	Mean of Magnitude of Body Acceleration Signal in X Axis in Frequency Domain	-1..1
fBodyAccMag-std()	Standard Deviation of Magnitude of Body Acceleration Signal in X Axis in Frequency Domain	-1..1
fBodyBodyAccJerkMag-mean()	Mean of Magnitude of Body Acceleration Jerk Signal in X Axis in Frequency Domain	-1..1
fBodyBodyAccJerkMag-std()	Standard Deviation of Magnitude of Body Acceleration Jerk Signal in X Axis in Frequency Domain	-1..1
fBodyBodyGyroMag-mean()	Mean of Magnitude of Body Gyroscope Signal in X Axis in Frequency Domain	-1..1
fBodyBodyGyroMag-std()	Standard Deviation of Magnitude of Body Gyroscope Signal in X Axis in Frequency Domain	-1..1
fBodyBodyGyroJerkMag-mean()	Mean of Magnitude of Body Gyroscope Jerk Signal in X Axis in Frequency Domain	-1..1
fBodyBodyGyroJerkMag-std()	Standard Deviation of Magnitude of Body Gyroscope Jerk Signal in X Axis in Frequency Domain	-1..1