Codebook

The source datasets are taken from The Human Activity Recognition Using Smartphones Dataset, Version 1.0. (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).

The data has been cleansed into a format that provides summary data, by activity, for each subject. For more information about the source of each measurement, see the source study referenced above.

Data columns are as follows:

Subject number identifies the subject to whom the measurement applies. Has range 1 to 30.
WALKING
WALKING WALKING UPSTAIRS
WALKING OPSTAIRS WALKING DOWNSTAIRS
SITTING
STANDING
LAYING
Average, for this subject and activity, of all
measurements of the variable tBodyAcc-mean()-X.
Average, for this subject and activity, of all
measurements of the variable tBodyAcc-mean()-Y.
Average, for this subject and activity, of all
measurements of the variable tBodyAcc-mean()-Z.
Average, for this subject and activity, of all
measurements of the variable tBodyAcc-std()-X.
Average, for this subject and activity, of all
measurements of the variable tBodyAcc-std()-Y.
Average, for this subject and activity, of all
measurements of the variable tBodyAcc-std()-Z.
Average, for this subject and activity, of all
measurements of the variable tGravityAcc-mean()-X.
Average, for this subject and activity, of all
measurements of the variable tGravityAcc-mean()-Y.
Average, for this subject and activity, of all
measurements of the variable tGravityAcc-mean()-Z.
Average, for this subject and activity, of all
measurements of the variable tGravityAcc-std()-X.
Average, for this subject and activity, of all
measurements of the variable tGravityAcc-std()-Y.
Average, for this subject and activity, of all
measurements of the variable tGravityAcc-std()-Z.

timeBodyAccJerkMean-X	Average, for this subject and activity, of all
time body new er kivican x	measurements of the variable tBodyAccJerk-mean()-X.
timeBodyAccJerkMean-Y	Average, for this subject and activity, of all
	measurements of the variable tBodyAccJerk-mean()-Y.
timeBodyAccJerkMean-Z	Average, for this subject and activity, of all
,	measurements of the variable tBodyAccJerk-mean()-Z.
timeBodyAccJerkStd-X	Average, for this subject and activity, of all
	measurements of the variable tBodyAccJerk-std()-X.
timeBodyAccJerkStd-Y	Average, for this subject and activity, of all
	measurements of the variable tBodyAccJerk-std()-Y.
timeBodyAccJerkStd-Z	Average, for this subject and activity, of all
	measurements of the variable tBodyAccJerk-std()-Z.
timeBodyGyroMean-X	Average, for this subject and activity, of all
	measurements of the variable tBodyGyro – mean()-X.
timeBodyGyroMean-Y	Average, for this subject and activity, of all
	measurements of the variable tBodyGyro – mean()-Y.
timeBodyGyroMean-Z	Average, for this subject and activity, of all
	measurements of the variable tBodyGyro – mean()-Z.
timeBodyGyroStd-X	Average, for this subject and activity, of all
	measurements of the variable tBodyGyro – std()-X.
timeBodyGyroStd-Y	Average, for this subject and activity, of all
Live Dead Constitution	measurements of the variable tBodyGyro – std()-Y.
timeBodyGyroStd-Z	Average, for this subject and activity, of all
time DeduCyre LerlMean V	measurements of the variable tBodyGyro – std()-Z.
timeBodyGyroJerkMean-X	Average, for this subject and activity, of all
	measurements of the variable tBodyGyroJerk – mean()-X.
timeBodyGyroJerkMean-Y	Average, for this subject and activity, of all
time body Gyroserkivican i	measurements of the variable tBodyGyroJerk –
	mean()-Y.
timeBodyGyroJerkMean-Z	Average, for this subject and activity, of all
	measurements of the variable tBodyGyroJerk –
	mean()-Z.
timeBodyGyroJerkStd-X	Average, for this subject and activity, of all
	measurements of the variable tBodyGyroJerk -std()-X.
timeBodyGyroJerkStd-Y	Average, for this subject and activity, of all
	measurements of the variable tBodyGyroJerk -std()-Y.
timeBodyGyroJerkStd-Z	Average, for this subject and activity, of all
	measurements of the variable tBodyGyroJerk -std()-Z.
timeBodyAccMagMean	Average, for this subject and activity, of all
	measurements of the variable tBodyAccMag-mean()
timeBodyAccMagStd	Average, for this subject and activity, of all
	measurements of the variable tBodyAccMag-std()
timeGravityAccMagMean	Average, for this subject and activity, of all
	measurements of the variable tGravityAccMag-mean()
timeGravityAccMagStd	Average, for this subject and activity, of all
	measurements of the variable tGravityAccMag-std()

timeBodyAccJerkMagMean	Average, for this subject and activity, of all measurements of the variable tBodyAccJerkMagmean()
timeBodyAccJerkMagStd	Average, for this subject and activity, of all measurements of the variable tBodyAccJerkMag-std()
timeBodyGyroMagMean	Average, for this subject and activity, of all measurements of the variable tBodyGyroMag-mean()
timeBodyGyroMagStd	Average, for this subject and activity, of all measurements of the variable tBodyGyroMag-std()
timeBodyGyroJerkMagMean	Average, for this subject and activity, of all measurements of the variable tBodyGyroJerkMagmean()
timeBodyGyroJerkMagStd	Average, for this subject and activity, of all measurements of the variable tBodyGyroJerkMagstd()
frequencyBodyAccMean-X	Average, for this subject and activity, of all measurements of the variable fBodyAcc-mean()-X.
frequencyBodyAccMean-Y	Average, for this subject and activity, of all measurements of the variable fBodyAcc-mean()-Y.
frequencyBodyAccMean-Z	Average, for this subject and activity, of all measurements of the variable fBodyAcc-mean()-Z.
frequencyBodyAccStd-X	Average, for this subject and activity, of all measurements of the variable fBodyAcc-std()-X.
frequencyBodyAccStd-Y	Average, for this subject and activity, of all measurements of the variable fBodyAcc-std()-Y.
frequencyBodyAccStd-Z	Average, for this subject and activity, of all measurements of the variable fBodyAcc-std()-Z.
frequencyBodyAccMeanFreq()-X	Average, for this subject and activity, of all measurements of the variable fBodyAcc - meanFreq()-X.
frequencyBodyAccMeanFreq()-Y	Average, for this subject and activity, of all measurements of the variable fBodyAcc - meanFreq()-Y
frequencyBodyAccMeanFreq()-Z	Average, for this subject and activity, of all measurements of the variable fBodyAcc - meanFreq()-z.
frequencyBodyAccJerkMean-X	Average, for this subject and activity, of all measurements of the variable fBodyAccJerk-mean()-X.
frequencyBodyAccJerkMean-Y	Average, for this subject and activity, of all measurements of the variable fBodyAccJerk-mean()-Y.
frequencyBodyAccJerkMean-Z	Average, for this subject and activity, of all measurements of the variable fBodyAccJerk-mean()-Z.
frequencyBodyAccJerkStd-X	Average, for this subject and activity, of all measurements of the variable fBodyAccJerk-std()-X.
frequencyBodyAccJerkStd-Y	Average, for this subject and activity, of all measurements of the variable fBodyAccJerk-std()-Y.

frequencyBodyAccJerkStd-Z	Average, for this subject and activity, of all
5 1 2 1 2 5 7 7 7 7	measurements of the variable fBodyAccJerk-std()-Z.
frequencyBodyAccJerkMeanFreq()-X	Average, for this subject and activity, of all
	measurements of the variable fBodyAccJerk-
	meanFreq() -X.
frequencyBodyAccJerkMeanFreq()-Y	Average, for this subject and activity, of all
	measurements of the variable fBodyAccJerk-
	meanFreq() -y.
frequencyBodyAccJerkMeanFreq()-Z	Average, for this subject and activity, of all
	measurements of the variable fBodyAccJerk-
	meanFreq() -Z.
frequencyBodyGyroMean-X	Average, for this subject and activity, of all
	measurements of the variable fBodyGyro - mean-X.
frequencyBodyGyroMean-Y	Average, for this subject and activity, of all
	measurements of the variable fBodyGyro - mean-Y.
frequencyBodyGyroMean-Z	Average, for this subject and activity, of all
	measurements of the variable fBodyGyro - mean-Z.
frequencyBodyGyroStd-X	Average, for this subject and activity, of all
	measurements of the variable fBodyGyro - std-X.
frequencyBodyGyroStd-Y	Average, for this subject and activity, of all
, , , ,	measurements of the variable fBodyGyro - std-Y.
frequencyBodyGyroStd-Z	Average, for this subject and activity, of all
	measurements of the variable fBodyGyro - std-Z.
frequencyBodyGyroMeanFreq()-X	Average, for this subject and activity, of all
	measurements of the variable fBodyGyro-meanFreq()-
	X.
frequencyBodyGyroMeanFreq()-Y	Average, for this subject and activity, of all
	measurements of the variable fBodyGyro-meanFreq()-
	Υ.
frequencyBodyGyroMeanFreq()-Z	Average, for this subject and activity, of all
	measurements of the variable fBodyGyro-meanFreq()-
	Z
frequencyBodyAccMagMean	Average, for this subject and activity, of all
Trequency 2004, resimagimean	measurements of the variable fBodyAccMag-mean() -
	X.
frequencyBodyAccMagStd	Average, for this subject and activity, of all
	measurements of the variable fBodyAccMag-mean()-
	Y.
frequencyBodyAccMagMeanFreq()	Average, for this subject and activity, of all
rrequeries body reciviagivicani requi	measurements of the variable fBodyAccMag-mean()-
	Z.
frequencyBodyBodyAccJerkMagMean	Average, for this subject and activity, of all
	measurements of the variable fBodyBodyAccJerkMag-
	mean()
frequencyBodyBodyAccJerkMagStd	Average, for this subject and activity, of all
	measurements of the variable fBodyBodyAccJerkMag-
	std()
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frequencyBodyBodyAccJerkMagMeanFreq()	Average, for this subject and activity, of all measurements of the variable fBodyBodyAccJerkMagmeanFreq()
frequencyBodyBodyGyroMagMean	Average, for this subject and activity, of all measurements of the variable fBodyBodyGyroMagmean()
frequencyBodyBodyGyroMagStd	Average, for this subject and activity, of all measurements of the variable fBodyBodyGyroMagstd()
frequencyBodyBodyGyroMagMeanFreq()	Average, for this subject and activity, of all measurements of the variable tBodyBodyGyroMagmeanFreq()
frequencyBodyBodyGyroJerkMagMean	Average, for this subject and activity, of all measurements of the variable fBodyBodyGyroJerkMag-mean()
frequencyBodyBodyGyroJerkMagStd	Average, for this subject and activity, of all measurements of the variable fBodyBodyGyroJerkMag-std()
frequencyBodyBodyGyroJerkMagMeanFreq()	Average, for this subject and activity, of all measurements of the variable fBodyBodyGyroJerkMag-meanFreq()