**Code Book**

Human Activity Recognition Using Smartphones Datasets

**Note:** This is an easier to read version of the code book rather than the .md version. The contents are the same as the .md version in the repository.

**Datasets and Background Study Design**

The datasets used in this analysis were sourced from a study performed by SmartLab, a Non-Linear Complex Systems Laboratory1. SmartLab collected data from Samsung Galaxy S II phones embedded with accelerator and gyroscope sensors. The sensors capture signals on triaxial gravitational and body motions from 30 volunteers who engaged in six (6) different activities: walking, walking upstairs, walking downstairs, sitting, standing and laying.

The datasets of signals and motions for this study were sourced from this site: <https://d396qusza40orc.cloudfront.net/getdata%2Fprojectfiles%2FUCI%20HAR%20Dataset.zip>

The analysis is expected to accomplish the following objectives:

1. Merge the training and test datasets to create a single data file.
2. Extract the variable names and add them to the single data file.
3. Use the descriptive activity names to name the six (6) activities.
4. Extract only the variables that provide a mean or standard deviation measurement.
5. Create a second tidy data set that computes the mean of each variable by activity and subject/volunteer.

Data combinations and transformations for this analysis were extracted from the source .zip file which contains individual files of training and test data, codes and descriptions for the six (6) different activities, codes representing each subject/volunteer that participated in the experiment and a file containing a code and name for each of the gravitational and motion variables for which test and train data were collected.

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1Davide Anguita, Alessandro Ghio, Luca Oneto, Xavier Parra and Jorge L. Reyes-Ortiz. A Public Domain Dataset for Human Activity Recognition Using Smartphones. 21th European Symposium on Artificial Neural Networks, Computational Intelligence and Machine Learning, ESANN 2013. Bruges, Belgium 24-26 April 2013.

**Code Book: Files and Variables Metadata**

Files and variables extracted from the source .zip files are described as follows:

| **Extracted File Name** | **Variable** | **Datatype** | **Size/ Precision** | **Scale** | **Units** | **Notes** |
| --- | --- | --- | --- | --- | --- | --- |
| activity\_labels.txt | Activity Code | integer | 2 | 0 | N/A | There are 6 different activity labels |
| activity\_labels.txt | Activity | character | 18 |  | N/A | There are 6 different activity codes |
| subject\_test.txt | Subject Code | integer | 2 | 0 | N/A | There are 24 different subjects/volunteers for test and 2947 rows in the file |
| subject\_train.txt | Subject Code | integer | 2 | 0 | N/A | There are 30 different subjects/volunteers for train and 7352 rows in the file |
| features.txt | Feature Name | character |  | 0 | N/A | There are 561 different feature names |
| x\_train.txt | Training Codes | integer | 1 | 0 | N/A | There are 7352 rows listing a code from 1 to 6 representing the activity the subject performed |
| y\_train.txt | Training Codes | integer | 1 | 0 | N/A | There are 2947 rows listing a code from 1 to 6 representing the activity the subject performed |
| **X\_test.txt y\_test.txt** | **Features Data** | **Datatype** | **Size** | **Precision** | **Units** | **Notes** |
| X\_test.txt y\_test.txt | tBodyAcc-mean()-X | numeric | 10 | 9 | m/sec2 | Both the x and y files have 561 columns for each the variables in this section. The x file has 7352 rows and the y file has 2947 rows. |
| X\_test.txt y\_test.txt | tBodyAcc-mean()-Y | numeric | 10 | 9 | m/sec2 | All acceleration data units are in meters/second2 |
| X\_test.txt y\_test.txt | tBodyAcc-mean()-Z | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAcc-std()-X | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAcc-std()-Y | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAcc-std()-Z | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAcc-mad()-X | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAcc-mad()-Y | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAcc-mad()-Z | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAcc-max()-X | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAcc-max()-Y | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAcc-max()-Z | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAcc-min()-X | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAcc-min()-Y | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAcc-min()-Z | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAcc-sma() | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAcc-energy()-X | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAcc-energy()-Y | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAcc-energy()-Z | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAcc-iqr()-X | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAcc-iqr()-Y | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAcc-iqr()-Z | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAcc-entropy()-X | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAcc-entropy()-Y | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAcc-entropy()-Z | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAcc-arCoeff()-X,1 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAcc-arCoeff()-X,2 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAcc-arCoeff()-X,3 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAcc-arCoeff()-X,4 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAcc-arCoeff()-Y,1 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAcc-arCoeff()-Y,2 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAcc-arCoeff()-Y,3 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAcc-arCoeff()-Y,4 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAcc-arCoeff()-Z,1 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAcc-arCoeff()-Z,2 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAcc-arCoeff()-Z,3 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAcc-arCoeff()-Z,4 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAcc-correlation()-X,Y | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAcc-correlation()-X,Z | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAcc-correlation()-Y,Z | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tGravityAcc-mean()-X | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tGravityAcc-mean()-Y | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tGravityAcc-mean()-Z | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tGravityAcc-std()-X | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tGravityAcc-std()-Y | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tGravityAcc-std()-Z | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tGravityAcc-mad()-X | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tGravityAcc-mad()-Y | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tGravityAcc-mad()-Z | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tGravityAcc-max()-X | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tGravityAcc-max()-Y | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tGravityAcc-max()-Z | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tGravityAcc-min()-X | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tGravityAcc-min()-Y | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tGravityAcc-min()-Z | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tGravityAcc-sma() | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tGravityAcc-energy()-X | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tGravityAcc-energy()-Y | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tGravityAcc-energy()-Z | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tGravityAcc-iqr()-X | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tGravityAcc-iqr()-Y | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tGravityAcc-iqr()-Z | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tGravityAcc-entropy()-X | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tGravityAcc-entropy()-Y | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tGravityAcc-entropy()-Z | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tGravityAcc-arCoeff()-X,1 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tGravityAcc-arCoeff()-X,2 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tGravityAcc-arCoeff()-X,3 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tGravityAcc-arCoeff()-X,4 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tGravityAcc-arCoeff()-Y,1 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tGravityAcc-arCoeff()-Y,2 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tGravityAcc-arCoeff()-Y,3 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tGravityAcc-arCoeff()-Y,4 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tGravityAcc-arCoeff()-Z,1 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tGravityAcc-arCoeff()-Z,2 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tGravityAcc-arCoeff()-Z,3 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tGravityAcc-arCoeff()-Z,4 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tGravityAcc-correlation()-X,Y | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tGravityAcc-correlation()-X,Z | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tGravityAcc-correlation()-Y,Z | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAccJerk-mean()-X | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAccJerk-mean()-Y | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAccJerk-mean()-Z | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAccJerk-std()-X | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAccJerk-std()-Y | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAccJerk-std()-Z | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAccJerk-mad()-X | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAccJerk-mad()-Y | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAccJerk-mad()-Z | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAccJerk-max()-X | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAccJerk-max()-Y | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAccJerk-max()-Z | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAccJerk-min()-X | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAccJerk-min()-Y | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAccJerk-min()-Z | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAccJerk-sma() | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAccJerk-energy()-X | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAccJerk-energy()-Y | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAccJerk-energy()-Z | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAccJerk-iqr()-X | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAccJerk-iqr()-Y | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAccJerk-iqr()-Z | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAccJerk-entropy()-X | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAccJerk-entropy()-Y | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAccJerk-entropy()-Z | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAccJerk-arCoeff()-X,1 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAccJerk-arCoeff()-X,2 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAccJerk-arCoeff()-X,3 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAccJerk-arCoeff()-X,4 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAccJerk-arCoeff()-Y,1 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAccJerk-arCoeff()-Y,2 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAccJerk-arCoeff()-Y,3 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAccJerk-arCoeff()-Y,4 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAccJerk-arCoeff()-Z,1 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAccJerk-arCoeff()-Z,2 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAccJerk-arCoeff()-Z,3 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAccJerk-arCoeff()-Z,4 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAccJerk-correlation()-X,Y | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAccJerk-correlation()-X,Z | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAccJerk-correlation()-Y,Z | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyGyro-mean()-X | numeric | 10 | 9 | rad/sec | Gyroscope units are all in radians per second |
| X\_test.txt y\_test.txt | tBodyGyro-mean()-Y | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyro-mean()-Z | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyro-std()-X | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyro-std()-Y | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyro-std()-Z | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyro-mad()-X | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyro-mad()-Y | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyro-mad()-Z | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyro-max()-X | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyro-max()-Y | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyro-max()-Z | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyro-min()-X | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyro-min()-Y | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyro-min()-Z | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyro-sma() | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyro-energy()-X | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyro-energy()-Y | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyro-energy()-Z | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyro-iqr()-X | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyro-iqr()-Y | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyro-iqr()-Z | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyro-entropy()-X | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyro-entropy()-Y | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyro-entropy()-Z | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyro-arCoeff()-X,1 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyro-arCoeff()-X,2 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyro-arCoeff()-X,3 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyro-arCoeff()-X,4 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyro-arCoeff()-Y,1 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyro-arCoeff()-Y,2 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyro-arCoeff()-Y,3 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyro-arCoeff()-Y,4 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyro-arCoeff()-Z,1 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyro-arCoeff()-Z,2 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyro-arCoeff()-Z,3 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyro-arCoeff()-Z,4 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyro-correlation()-X,Y | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyro-correlation()-X,Z | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyro-correlation()-Y,Z | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyroJerk-mean()-X | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyroJerk-mean()-Y | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyroJerk-mean()-Z | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyroJerk-std()-X | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyroJerk-std()-Y | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyroJerk-std()-Z | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyroJerk-mad()-X | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyroJerk-mad()-Y | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyroJerk-mad()-Z | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyroJerk-max()-X | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyroJerk-max()-Y | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyroJerk-max()-Z | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyroJerk-min()-X | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyroJerk-min()-Y | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyroJerk-min()-Z | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyroJerk-sma() | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyroJerk-energy()-X | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyroJerk-energy()-Y | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyroJerk-energy()-Z | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyroJerk-iqr()-X | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyroJerk-iqr()-Y | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyroJerk-iqr()-Z | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyroJerk-entropy()-X | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyroJerk-entropy()-Y | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyroJerk-entropy()-Z | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyroJerk-arCoeff()-X,1 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyroJerk-arCoeff()-X,2 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyroJerk-arCoeff()-X,3 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyroJerk-arCoeff()-X,4 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyroJerk-arCoeff()-Y,1 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyroJerk-arCoeff()-Y,2 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyroJerk-arCoeff()-Y,3 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyroJerk-arCoeff()-Y,4 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyroJerk-arCoeff()-Z,1 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyroJerk-arCoeff()-Z,2 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyroJerk-arCoeff()-Z,3 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyroJerk-arCoeff()-Z,4 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyroJerk-correlation()-X,Y | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyroJerk-correlation()-X,Z | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyroJerk-correlation()-Y,Z | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyAccMag-mean() | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAccMag-std() | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAccMag-mad() | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAccMag-max() | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAccMag-min() | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAccMag-sma() | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAccMag-energy() | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAccMag-iqr() | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAccMag-entropy() | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAccMag-arCoeff()1 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAccMag-arCoeff()2 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAccMag-arCoeff()3 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAccMag-arCoeff()4 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tGravityAccMag-mean() | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tGravityAccMag-std() | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tGravityAccMag-mad() | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tGravityAccMag-max() | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tGravityAccMag-min() | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tGravityAccMag-sma() | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tGravityAccMag-energy() | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tGravityAccMag-iqr() | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tGravityAccMag-entropy() | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tGravityAccMag-arCoeff()1 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tGravityAccMag-arCoeff()2 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tGravityAccMag-arCoeff()3 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tGravityAccMag-arCoeff()4 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAccJerkMag-mean() | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAccJerkMag-std() | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAccJerkMag-mad() | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAccJerkMag-max() | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAccJerkMag-min() | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAccJerkMag-sma() | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAccJerkMag-energy() | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAccJerkMag-iqr() | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAccJerkMag-entropy() | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAccJerkMag-arCoeff()1 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAccJerkMag-arCoeff()2 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAccJerkMag-arCoeff()3 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyAccJerkMag-arCoeff()4 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | tBodyGyroMag-mean() | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyroMag-std() | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyroMag-mad() | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyroMag-max() | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyroMag-min() | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyroMag-sma() | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyroMag-energy() | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyroMag-iqr() | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyroMag-entropy() | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyroMag-arCoeff()1 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyroMag-arCoeff()2 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyroMag-arCoeff()3 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyroMag-arCoeff()4 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyroJerkMag-mean() | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyroJerkMag-std() | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyroJerkMag-mad() | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyroJerkMag-max() | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyroJerkMag-min() | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyroJerkMag-sma() | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyroJerkMag-energy() | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyroJerkMag-iqr() | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyroJerkMag-entropy() | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyroJerkMag-arCoeff()1 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyroJerkMag-arCoeff()2 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyroJerkMag-arCoeff()3 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | tBodyGyroJerkMag-arCoeff()4 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyAcc-mean()-X | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-mean()-Y | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-mean()-Z | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-std()-X | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-std()-Y | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-std()-Z | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-mad()-X | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-mad()-Y | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-mad()-Z | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-max()-X | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-max()-Y | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-max()-Z | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-min()-X | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-min()-Y | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-min()-Z | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-sma() | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-energy()-X | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-energy()-Y | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-energy()-Z | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-iqr()-X | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-iqr()-Y | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-iqr()-Z | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-entropy()-X | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-entropy()-Y | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-entropy()-Z | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-maxInds-X | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-maxInds-Y | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-maxInds-Z | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-meanFreq()-X | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-meanFreq()-Y | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-meanFreq()-Z | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-skewness()-X | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-kurtosis()-X | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-skewness()-Y | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-kurtosis()-Y | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-skewness()-Z | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-kurtosis()-Z | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-bandsEnergy()-1,8 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-bandsEnergy()-9,16 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-bandsEnergy()-17,24 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-bandsEnergy()-25,32 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-bandsEnergy()-33,40 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-bandsEnergy()-41,48 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-bandsEnergy()-49,56 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-bandsEnergy()-57,64 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-bandsEnergy()-1,16 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-bandsEnergy()-17,32 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-bandsEnergy()-33,48 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-bandsEnergy()-49,64 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-bandsEnergy()-1,24 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-bandsEnergy()-25,48 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-bandsEnergy()-1,8 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-bandsEnergy()-9,16 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-bandsEnergy()-17,24 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-bandsEnergy()-25,32 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-bandsEnergy()-33,40 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-bandsEnergy()-41,48 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-bandsEnergy()-49,56 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-bandsEnergy()-57,64 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-bandsEnergy()-1,16 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-bandsEnergy()-17,32 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-bandsEnergy()-33,48 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-bandsEnergy()-49,64 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-bandsEnergy()-1,24 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-bandsEnergy()-25,48 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-bandsEnergy()-1,8 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-bandsEnergy()-9,16 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-bandsEnergy()-17,24 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-bandsEnergy()-25,32 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-bandsEnergy()-33,40 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-bandsEnergy()-41,48 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-bandsEnergy()-49,56 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-bandsEnergy()-57,64 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-bandsEnergy()-1,16 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-bandsEnergy()-17,32 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-bandsEnergy()-33,48 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-bandsEnergy()-49,64 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-bandsEnergy()-1,24 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAcc-bandsEnergy()-25,48 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-mean()-X | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-mean()-Y | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-mean()-Z | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-std()-X | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-std()-Y | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-std()-Z | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-mad()-X | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-mad()-Y | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-mad()-Z | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-max()-X | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-max()-Y | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-max()-Z | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-min()-X | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-min()-Y | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-min()-Z | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-sma() | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-energy()-X | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-energy()-Y | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-energy()-Z | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-iqr()-X | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-iqr()-Y | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-iqr()-Z | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-entropy()-X | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-entropy()-Y | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-entropy()-Z | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-maxInds-X | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-maxInds-Y | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-maxInds-Z | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-meanFreq()-X | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-meanFreq()-Y | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-meanFreq()-Z | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-skewness()-X | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-kurtosis()-X | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-skewness()-Y | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-kurtosis()-Y | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-skewness()-Z | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-kurtosis()-Z | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-bandsEnergy()-1,8 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-bandsEnergy()-9,16 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-bandsEnergy()-17,24 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-bandsEnergy()-25,32 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-bandsEnergy()-33,40 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-bandsEnergy()-41,48 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-bandsEnergy()-49,56 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-bandsEnergy()-57,64 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-bandsEnergy()-1,16 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-bandsEnergy()-17,32 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-bandsEnergy()-33,48 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-bandsEnergy()-49,64 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-bandsEnergy()-1,24 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-bandsEnergy()-25,48 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-bandsEnergy()-1,8 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-bandsEnergy()-9,16 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-bandsEnergy()-17,24 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-bandsEnergy()-25,32 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-bandsEnergy()-33,40 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-bandsEnergy()-41,48 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-bandsEnergy()-49,56 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-bandsEnergy()-57,64 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-bandsEnergy()-1,16 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-bandsEnergy()-17,32 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-bandsEnergy()-33,48 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-bandsEnergy()-49,64 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-bandsEnergy()-1,24 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-bandsEnergy()-25,48 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-bandsEnergy()-1,8 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-bandsEnergy()-9,16 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-bandsEnergy()-17,24 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-bandsEnergy()-25,32 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-bandsEnergy()-33,40 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-bandsEnergy()-41,48 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-bandsEnergy()-49,56 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-bandsEnergy()-57,64 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-bandsEnergy()-1,16 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-bandsEnergy()-17,32 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-bandsEnergy()-33,48 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-bandsEnergy()-49,64 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-bandsEnergy()-1,24 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccJerk-bandsEnergy()-25,48 | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyGyro-mean()-X | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-mean()-Y | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-mean()-Z | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-std()-X | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-std()-Y | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-std()-Z | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-mad()-X | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-mad()-Y | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-mad()-Z | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-max()-X | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-max()-Y | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-max()-Z | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-min()-X | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-min()-Y | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-min()-Z | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-sma() | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-energy()-X | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-energy()-Y | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-energy()-Z | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-iqr()-X | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-iqr()-Y | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-iqr()-Z | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-entropy()-X | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-entropy()-Y | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-entropy()-Z | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-maxInds-X | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-maxInds-Y | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-maxInds-Z | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-meanFreq()-X | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-meanFreq()-Y | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-meanFreq()-Z | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-skewness()-X | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-kurtosis()-X | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-skewness()-Y | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-kurtosis()-Y | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-skewness()-Z | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-kurtosis()-Z | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-bandsEnergy()-1,8 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-bandsEnergy()-9,16 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-bandsEnergy()-17,24 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-bandsEnergy()-25,32 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-bandsEnergy()-33,40 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-bandsEnergy()-41,48 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-bandsEnergy()-49,56 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-bandsEnergy()-57,64 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-bandsEnergy()-1,16 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-bandsEnergy()-17,32 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-bandsEnergy()-33,48 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-bandsEnergy()-49,64 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-bandsEnergy()-1,24 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-bandsEnergy()-25,48 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-bandsEnergy()-1,8 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-bandsEnergy()-9,16 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-bandsEnergy()-17,24 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-bandsEnergy()-25,32 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-bandsEnergy()-33,40 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-bandsEnergy()-41,48 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-bandsEnergy()-49,56 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-bandsEnergy()-57,64 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-bandsEnergy()-1,16 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-bandsEnergy()-17,32 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-bandsEnergy()-33,48 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-bandsEnergy()-49,64 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-bandsEnergy()-1,24 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-bandsEnergy()-25,48 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-bandsEnergy()-1,8 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-bandsEnergy()-9,16 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-bandsEnergy()-17,24 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-bandsEnergy()-25,32 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-bandsEnergy()-33,40 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-bandsEnergy()-41,48 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-bandsEnergy()-49,56 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-bandsEnergy()-57,64 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-bandsEnergy()-1,16 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-bandsEnergy()-17,32 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-bandsEnergy()-33,48 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-bandsEnergy()-49,64 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-bandsEnergy()-1,24 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyGyro-bandsEnergy()-25,48 | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyAccMag-mean() | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccMag-std() | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccMag-mad() | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccMag-max() | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccMag-min() | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccMag-sma() | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccMag-energy() | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccMag-iqr() | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccMag-entropy() | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccMag-maxInds | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccMag-meanFreq() | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccMag-skewness() | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyAccMag-kurtosis() | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyBodyAccJerkMag-mean() | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyBodyAccJerkMag-std() | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyBodyAccJerkMag-mad() | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyBodyAccJerkMag-max() | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyBodyAccJerkMag-min() | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyBodyAccJerkMag-sma() | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyBodyAccJerkMag-energy() | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyBodyAccJerkMag-iqr() | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyBodyAccJerkMag-entropy() | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyBodyAccJerkMag-maxInds | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyBodyAccJerkMag-meanFreq() | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyBodyAccJerkMag-skewness() | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyBodyAccJerkMag-kurtosis() | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | fBodyBodyGyroMag-mean() | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyBodyGyroMag-std() | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyBodyGyroMag-mad() | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyBodyGyroMag-max() | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyBodyGyroMag-min() | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyBodyGyroMag-sma() | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyBodyGyroMag-energy() | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyBodyGyroMag-iqr() | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyBodyGyroMag-entropy() | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyBodyGyroMag-maxInds | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyBodyGyroMag-meanFreq() | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyBodyGyroMag-skewness() | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyBodyGyroMag-kurtosis() | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyBodyGyroJerkMag-mean() | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyBodyGyroJerkMag-std() | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyBodyGyroJerkMag-mad() | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyBodyGyroJerkMag-max() | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyBodyGyroJerkMag-min() | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyBodyGyroJerkMag-sma() | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyBodyGyroJerkMag-energy() | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyBodyGyroJerkMag-iqr() | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyBodyGyroJerkMag-entropy() | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyBodyGyroJerkMag-maxInds | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyBodyGyroJerkMag-meanFreq() | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyBodyGyroJerkMag-skewness() | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | fBodyBodyGyroJerkMag-kurtosis() | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | angle(tBodyAccMean,gravity) | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | angle(tBodyAccJerkMean),gravityMean) | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | angle(tBodyGyroMean,gravityMean) | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | angle(tBodyGyroJerkMean,gravityMean) | numeric | 10 | 9 | rad/sec |  |
| X\_test.txt y\_test.txt | angle(X,gravityMean) | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | angle(Y,gravityMean) | numeric | 10 | 9 | m/sec2 |  |
| X\_test.txt y\_test.txt | angle(Z,gravityMean) | numeric | 10 | 9 | m/sec2 |  |