Please note, as the data was normalized, all data is unitless

subject
ID # for the subject taking the test

activity
Type of activity subject engaged in
WALKING
WALKING_UPSTAIRS
WALKING_DOWNSTAIRS
SITTING
STANDING
LAYING

tBodyAcc.mean.X
Mean body acceleration from accelerometer in the X direction for each activity, averaged over all activity attempts by each subject

tBodyAcc.mean.Y
Mean body acceleration from accelerometer in the Y direction for each activity, averaged over all activity attempts by each subject

tBodyAcc.mean.Z
Mean body acceleration from accelerometer in the Z direction for each activity, averaged over all activity attempts by each subject

tBodyAcc.std.X
Standard deviation of the accelerometer body acceleration in the X direction, averaged over all activity attempts by each subject

tBodyAcc.std.Y
Standard deviation of the accelerometer body acceleration in the Y direction, averaged over all activity attempts by each subject

tBodyAcc.std.Z
Standard deviation of the accelerometer body acceleration in the Z direction, averaged over all activity attempts by each subject

tGravityAcc.mean.X
Mean gravity acceleration measured on the accelerometer in the X direction for each activity, averaged over all activity attempts by each subject

tGravityAcc.mean.Y
Mean gravity acceleration measured on the accelerometer in the Y direction for each activity, averaged over all activity attempts by each subject

tGravityAcc.mean.Z
Mean gravity acceleration measured on the accelerometer in the Z direction for each activity, averaged over all activity attempts by each subject

tGravityAcc.std.X
Standard deviation of the accelerometer gravity acceleration in the X direction, averaged over all activity attempts by each subject

tGravityAcc.std.Y
Standard deviation of the accelerometer gravity acceleration in the Y direction, averaged over all activity attempts by each subject

tGravityAcc.std.Z
Standard deviation of the accelerometer gravity acceleration in the Z direction, averaged over all activity attempts by each subject

tBodyAccJerk.mean.X
Mean body jerk from accelerometer in the X direction for each activity, averaged over all activity attempts by each subject

tBodyAccJerk.mean.Y
Mean body jerk from accelerometer in the Y direction for each activity, averaged over all activity attempts by each subject

tBodyAccJerk.mean.Z
Mean body jerk from accelerometer in the Z direction for each activity, averaged over all activity attempts by each subject

tBodyAccJerk.std.X
Standard deviation of the accelerometer body jerk in the X direction, averaged over all activity attempts by each subject

tBodyAccJerk.std.Y
Standard deviation of the accelerometer body jerk in the Y direction, averaged over all activity attempts by each subject

tBodyAccJerk.std.Z
Standard deviation of the accelerometer body jerk in the Z direction, averaged over all activity attempts by each subject

tBodyGyro.mean.X
Mean body acceleration from gyroscope in the X direction for each activity, averaged over all activity attempts by each subject

tBodyGyro.mean.Y
Mean body acceleration from gyroscope in the Y direction for each activity, averaged over all activity attempts by each subject

tBodyGyro.mean.Z
Mean body acceleration from gyroscope in the Z direction for each activity, averaged over all activity attempts by each subject

tBodyGyro.std.X
Standard deviation of the gyroscope body acceleration in the X direction, averaged over all activity attempts by each subject

tBodyGyro.std.Y
Standard deviation of the gyroscope body acceleration in the Y direction, averaged over all activity attempts by each subject

tBodyGyro.std.Z
Standard deviation of the gyroscope body acceleration in the Z direction, averaged over all activity attempts by each subject

tBodyGyroJerk.mean.X
Mean body jerk from gyroscope in the X direction for each activity, averaged over all activity attempts by each subject

tBodyGyroJerk.mean.Y
Mean body jerk from gyroscope in the Y direction for each activity, averaged over all activity attempts by each subject

tBodyGyroJerk.mean.Z
Mean body jerk from gyroscope in the Z direction for each activity, averaged over all activity attempts by each subject

tBodyGyroJerk.std.X
Standard deviation of the gyroscope body jerk in the X direction, averaged over all activity attempts by each subject

tBodyGyroJerk.std.Y
Standard deviation of the gyroscope body jerk in the Y direction, averaged over all activity attempts by each subject

tBodyGyroJerk.std.Z
Standard deviation of the gyroscope body jerk in the Z direction, averaged over all activity attempts by each subject

tBodyAccMag.mean
Mean of the magnitude of the body acceleration measured on the accelerometer, averaged over all activity attempts by each subject

tBodyAccMag.std
Standard deviation of the magnitude of the body acceleration measured on the accelerometer, averaged over all activity attempts by each subject

tGravityAccMag.mean
Mean of the magnitude of the gravity acceleration measured on the accelerometer, averaged over all activity attempts by each subject

tGravityAccMag.std
Standard deviation of the magnitude of the gravity acceleration measured on the accelerometer, averaged over all activity attempts by each subject

tBodyAccJerkMag.mean
Mean of the magnitude of the body jerk measured on the accelerometer, averaged over all activity attempts by each subject

tBodyAccJerkMag.std
Standard deviation of the magnitude of the body jerk measured on the accelerometer, averaged over all activity attempts by each subject

tBodyGyroMag.mean
Mean of the magnitude of the body acceleration measured on the gyroscope, averaged over all activity attempts by each subject

tBodyGyroMag.std
Standard deviation of the magnitude of the body acceleration measured on the gyroscope, averaged over all activity attempts by each subject

tBodyGyroJerkMag.mean
Mean of the magnitude of the body jerk measured on the gyroscope, averaged over all activity attempts by each subject

tBodyGyroJerkMag.std
Standard deviation of the magnitude of the body jerk measured on the gyroscope, averaged over all activity attempts by each subject

The remaining variables, listed below, consist of Fast Fourier Transforms of the same data.

fBodyAcc.mean.X
fBodyAcc.mean.Y
fBodyAcc.mean.Z
fBodyAcc.std.X
fBodyAcc.std.Y
fBodyAcc.std.Z
fBodyAcc.meanFreq.X
fBodyAcc.meanFreq.Y
fBodyAcc.meanFreq.Z
fBodyAccJerk.mean.X
fBodyAccJerk.mean.Y
fBodyAccJerk.mean.Z
fBodyAccJerk.std.X
fBodyAccJerk.std.Y
fBodyAccJerk.std.Z
fBodyAccJerk.meanFreq.X
fBodyAccJerk.meanFreq.Y
fBodyAccJerk.meanFreq.Z
fBodyGyro.mean.X
fBodyGyro.mean.Y
fBodyGyro.mean.Z
fBodyGyro.std.X
fBodyGyro.std.Y
fBodyGyro.std.Z
fBodyGyro.meanFreq.X
fBodyGyro.meanFreq.Y
fBodyGyro.meanFreq.Z
fBodyAccMag.mean
fBodyAccMag.std
fBodyBodyAccJerkMag.mean
fBodyBodyAccJerkMag.std
fBodyBodyAccJerkMag.meanFreq
fBodyBodyGyroMag.mean
fBodyBodyGyroMag.std
fBodyBodyGyroMag.meanFreq