Data Dictionary

Column name		Meaning
Activity		Activity being performed by subject:
	1	WALKING
	2	WALKING_UPSTAIRS
	3	WALKING_DOWNSTAIRS
	4	SITTING
	5	STANDING
	6	LAYING
Subject		Subject ID used to distinguish the subjects (volunteers) being measured
tBodyAcc-mean()-Y		The mean of the mean time reading of the body from the accelerometer on the Y axis
tBodyAcc-mean()-Z		The mean of the mean time reading of the body from the accelerometer on the Z axis
tBodyAcc-std()-X		The mean of the standard deviation time reading of the body from the accelerometer on the X axis
tBodyAcc-std()-Y		The mean of the standard deviation time reading of the body from the accelerometer on the Y axis
tBodyAcc-std()-Z		The mean of the standard deviation time reading of the body from the accelerometer on the Z axis
tGravityAcc-mean()-X		The mean of the mean time reading of gravity from the accelerometer on the X axis
tGravityAcc-mean()-Y		The mean of the mean time reading of gravity from the accelerometer on the Y axis
tGravityAcc-mean()-Z		The mean of the mean time reading of gravity from the accelerometer on the Z axis
tGravityAcc-std()-X		The mean of the standard deviation time reading of gravity from the accelerometer on the X axis
tGravityAcc-std()-Y		The mean of the standard deviation time reading of gravity from the accelerometer on the Y axis
tGravityAcc-std()-Z		The mean of the standard deviation time reading of gravity from the accelerometer on the Z axis
tBodyAccJerk-mean()-X		The mean of the mean time reading of the body Jerk from the accelerometer on the X axis
tBodyAccJerk-mean()-Y		The mean of the mean time reading of the body Jerk from the accelerometer on the Y axis
tBodyAccJerk-mean()-Z		The mean of the mean time reading of the body Jerk from the accelerometer on the Z axis
tBodyAccJerk-std()-X		The mean of the standard deviation time reading of the body Jerk from the accelerometer on the X axis
tBodyAccJerk-std()-Y		The mean of the standard deviation time reading of the body Jerk from the accelerometer on the Y axis
tBodyAccJerk-std()-Z		The mean of the standard deviation time reading of the body Jerk from the accelerometer on the Z axis
tBodyGyro-mean()-X		The mean of the mean time reading of the body from the gyroscope on the X axis
tBodyGyro-mean()-Y		The mean of the mean time reading of the body from the gyroscope on the Y axis
tBodyGyro-mean()-Z		The mean of the mean time reading of the body from the gyroscope on the Z axis
tBodyGyro-std()-X		The mean of the standard deviation time reading of the body from the gyroscope on the X axis

tBodyGyro-std()-Y	The mean of the standard deviation time reading of the body from the gyroscope on the Y axis
tBodyGyro-std()-Z	The mean of the standard deviation time reading of the body from the gyroscope on the Z axis
tBodyGyroJerk-mean()-X	The mean of the mean time reading of the body Jerk from the gyroscope on the X axis
tBodyGyroJerk-mean()-Y	The mean of the mean time reading of the body Jerk from the gyroscope on the Y axis
tBodyGyroJerk-mean()-Z	The mean of the mean time reading of the body Jerk from the gyroscope on the Z axis
tBodyGyroJerk-std()-X	The mean of the standard deviation time reading of the body Jerk from the gyroscope on the X axis
tBodyGyroJerk-std()-Y	The mean of the standard deviation time reading of the body Jerk from the gyroscope on the Y axis
tBodyGyroJerk-std()-Z	The mean of the standard deviation time reading of the body Jerk from the gyroscope on the Z axis
tBodyAccMag-mean()	The mean of the mean time reading of the body Magnitude from the accelerometer on the X axis
tBodyAccMag-std()	The mean of the standard deviation time reading of the body Magnitude from the accelerometer on the X axis
tGravityAccMag-mean()	The mean of the mean time reading of gravity Magnitude from the accelerometer on the X axis
tGravityAccMag-std()	The mean of the standard deviation time reading of gravity Magnitude from the accelerometer on the X axis
tBodyAccJerkMag-mean()	The mean of the mean time reading of the body Jerk Magnitude from the accelerometer on the X axis
tBodyAccJerkMag-std()	The mean of the standard deviation time reading of the body Jerk Magnitude from the accelerometer on the X axis
tBodyGyroMag-mean()	The mean of the mean time reading of the body Magnitude from the gyroscope on the X axis
tBodyGyroMag-std()	The mean of the standard deviation time reading of the body Magnitude from the gyroscope on the X axis
tBodyGyroJerkMag-mean()	The mean of the mean time reading of the body Jerk Magnitude from the gyroscope on the X axis
tBodyGyroJerkMag-std()	The mean of the standard deviation time reading of the body Jerk Magnitude from the gyroscope on the X axis
fBodyAcc-mean()-X	The mean of the mean frequency reading of the body from the accelerometer on the X axis
fBodyAcc-mean()-Y	The mean of the mean frequency reading of the body from the accelerometer on the Y axis
fBodyAcc-mean()-Z	The mean of the mean frequency reading of the body from the accelerometer on the Z axis
fBodyAcc-std()-X	The mean of the standard deviation frequency reading of the body from the accelerometer on the X axis
fBodyAcc-std()-Y	The mean of the standard deviation frequency reading of the body from the accelerometer on the Y axis
fBodyAcc-std()-Z	The mean of the standard deviation frequency reading of the body from the accelerometer on the Z axis
fBodyAcc-meanFreq()-X	The mean of the mean frequency reading of the body from the accelerometer on the X axis
fBodyAcc-meanFreq()-Y	The mean of the mean frequency reading of the body from the accelerometer on the Y axis
fBodyAcc-meanFreq()-Z	The mean of the mean frequency reading of the body from the accelerometer on the Z axis
fBodyAccJerk-mean()-X	The mean of the mean frequency reading of the body Jerk from the accelerometer on the X axis
fBodyAccJerk-mean()-Y	The mean of the mean frequency reading of the body Jerk from the accelerometer on the Y axis
fBodyAccJerk-mean()-Z	The mean of the mean frequency reading of the body Jerk from the accelerometer on the Z axis
fBodyAccJerk-std()-X	The mean of the standard deviation frequency reading of the body Jerk from the accelerometer on the X axis
fBodyAccJerk-std()-Y	The mean of the standard deviation frequency reading of the body Jerk from the accelerometer on the Y axis
fBodyAccJerk-std()-Z	The mean of the standard deviation frequency reading of the body Jerk from the accelerometer on the Z axis

fBodyAccJerk-meanFreq()-X	The mean of the mean frequency reading of the body Jerk from the accelerometer on the X axis
fBodyAccJerk-meanFreq()-Y	The mean of the mean frequency reading of the body Jerk from the accelerometer on the Y axis
fBodyAccJerk-meanFreq()-Z	The mean of the mean frequency reading of the body Jerk from the accelerometer on the Z axis
fBodyGyro-mean()-X	The mean of the mean frequency reading of the body from the gyroscope on the X axis
fBodyGyro-mean()-Y	The mean of the mean frequency reading of the body from the gyroscope on the Y axis
fBodyGyro-mean()-Z	The mean of the mean frequency reading of the body from the gyroscope on the Z axis
fBodyGyro-std()-X	The mean of the standard deviation frequency reading of the body from the gyroscope on the X axis
fBodyGyro-std()-Y	The mean of the standard deviation frequency reading of the body from the gyroscope on the Y axis
fBodyGyro-std()-Z	The mean of the standard deviation frequency reading of the body from the gyroscope on the Z axis
fBodyGyro-meanFreq()-X	The mean of the mean frequency reading of the body from the gyroscope on the X axis
fBodyGyro-meanFreq()-Y	The mean of the mean frequency reading of the body from the gyroscope on the Y axis
fBodyGyro-meanFreq()-Z	The mean of the mean frequency reading of the body from the gyroscope on the Z axis
fBodyAccMag-mean()	The mean of the mean frequency reading of the body Magnitude from the accelerometer on the X axis
fBodyAccMag-std()	The mean of the standard deviation frequency reading of the body Magnitude from the accelerometer on the X axis
fBodyAccMag-meanFreq()	The mean of the mean frequency reading of the body Magnitude from the accelerometer on the X axis
fBodyBodyAccJerkMag-mean()	The mean of the mean frequency reading of the body Jerk Magnitude from the accelerometer on the X axis
fBodyBodyAccJerkMag-std()	The mean of the standard deviation frequency reading of the body Jerk Magnitude from the accelerometer on the X axis
fBodyBodyAccJerkMag-meanFreq()	The mean of the mean frequency reading of the body Jerk Magnitude from the accelerometer on the X axis
fBodyBodyGyroMag-mean()	The mean of the mean frequency reading of the body Magnitude from the gyroscope on the X axis
fBodyBodyGyroMag-std()	The mean of the standard deviation frequency reading of the body Magnitude from the gyroscope on the X axis
fBodyBodyGyroMag-meanFreq()	The mean of the mean frequency reading of the body Magnitude from the gyroscope on the X axis
fBodyBodyGyroJerkMag-mean()	The mean of the mean frequency reading of the body Jerk Magnitude from the gyroscope on the X axis
fBodyBodyGyroJerkMag-std()	The mean of the standard deviation frequency reading of the body Jerk Magnitude from the gyroscope on the X axis
fBodyBodyGyroJerkMag-meanFreq()	The mean of the mean frequency reading of the body Jerk Magnitude from the gyroscope on the X axis