

Variable naming convention

XYZ is used to denote -axial signals in the X, Y and Z directions

t in front of a variable name indicates a time domain variable

f in front of a variable name indicates a frequency domain variable

Data Cleaning

“()” was removed from all variable names

Variable	Explanation
tBodyAcc_mean_X	Directional means for tBodyAcc
tBodyAcc_mean_Y	
tBodyAcc_mean_Z	
tBodyAcc_std_X	Directional standard deviations for tBodyAcc
tBodyAcc_std_Y	
tBodyAcc_std_Z	
tGravityAcc_mean_X	Directional means for GravityAcc
tGravityAcc_mean_Y	
tGravityAcc_mean_Z	
tGravityAcc_std_X	Directional standard deviations for tGravityAcc
tGravityAcc_std_Y	
tGravityAcc_std_Z	
tBodyAccJerk_mean_X	Directional means for tBodyAccJerk
tBodyAccJerk_mean_Y	
tBodyAccJerk_mean_Z	
tBodyAccJerk_std_X	Directional standard deviations for BodyAccJerk
tBodyAccJerk_std_Y	
tBodyAccJerk_std_Z	
tBodyGyro_mean_X	Directional means for tBodyAccJerk
tBodyGyro_mean_Y	
tBodyGyro_mean_Z	
tBodyGyro_std_X	Directional standard deviations for tBodyGyro
tBodyGyro_std_Y	
tBodyGyro_std_Z	
tBodyGyroJerk_mean_X	Directional means for tBodyGyroJerk

tBodyGyroJerk_mean_Y	Directional stand deviation for BodyGyroJerkard
tBodyGyroJerk_mean_Z	
tBodyGyroJerk_std_X	
tBodyGyroJerk_std_Y	
tBodyGyroJerk_std_Z	
tBodyAccMag_mean	Means] for BodyAccMag
tBodyAccMag_std	Standard deviation for BodyAccMag
tGravityAccMag_mean	Means] for tGravityAccMag
tGravityAccMag_std	Standard deviation for tGravityAccMag
tBodyAccJerkMag_mean	Means] for tBodyAccJerkMag
tBodyAccJerkMag_std	Standard deviation tBodyAccJerkMag
tBodyGyroMag_mean	Means] for tBodyGyroMag_
tBodyGyroMag_std	Standard deviation for tBodyGyroMag
tBodyGyroJerkMag_mean	Standard deviation tBodyGyroJerkMag
tBodyGyroJerkMag_std	Standard deviation tBodyGyroJerkMag
fBodyAcc_mean_X	Directional mean for fBodyAcc
fBodyAcc_mean_Y	
fBodyAcc_mean_Z	
fBodyAcc_std_X	Directional standard deviation for fBodyAcc
fBodyAcc_std_Y	
fBodyAcc_std_Z	
fBodyAcc_meanFreq_X	Directional mean for fBodyAcc
fBodyAcc_meanFreq_Y	
fBodyAcc_meanFreq_Z	
fBodyAccJerk_mean_X	Directional mean for fBodyAccJerk
fBodyAccJerk_mean_Y	
fBodyAccJerk_mean_Z	
fBodyAccJerk_std_X	Directional standard deviation for fBodyAccJerk
fBodyAccJerk_std_Y	
fBodyAccJerk_std_Z	
fBodyAccJerk_meanFreq_X	Directional mean for fBodyAccJerk
fBodyAccJerk_meanFreq_Y	
fBodyAccJerk_meanFreq_Z	
fBodyGyro_mean_X	Directional mean for fBodyGyro
fBodyGyro_mean_Y	
fBodyGyro_mean_Z	
fBodyGyro_std_X	Directional standard deviation for fBodyGyro
fBodyGyro_std_Y	
fBodyGyro_std_Z	
fBodyGyro_meanFreq_X	Directional mean for fBodyGyro
fBodyGyro_meanFreq_Y	

fBodyGyro_meanFreq_Z	
fBodyAccMag_mean	Mean for fBodyAccMag
fBodyAccMag_std	Standard deviation for fBodyAccMag
fBodyAccMag_meanFreq	Mean for BodyAccMag
fBodyBodyAccJerkMag_mean	Mean for fBodyBodyAccJerkMag
fBodyBodyAccJerkMag_std	Standard deviation for fBodyBodyAccJerkMag
fBodyBodyAccJerkMag_meanFreq	Mean for fBodyBodyAccJerkMag
fBodyBodyGyroMag_mean	Mean for fBodyBodyGyroMag
fBodyBodyGyroMag_std	Standard deviation fBodyBodyGyroMag
fBodyBodyGyroMag_meanFreq	Mean for fBodyBodyGyroMag
fBodyBodyGyroJerkMag_mean	Mean for fBodyBodyGyroJerkMag
fBodyBodyGyroJerkMag_meanFreq	Mean for fBodyBodyGyroJerkMag
Activity	1 WALKING 2 WALKING_UPSTAIRS 3 WALKING_DOWNSTAIRS 4 SITTING 5 STANDING 6 LAYING
Subjects	Numeric label for each subject