**Data dictionary**

[1] "Activity" - Character

Type of activity performed; replace y\_train & y\_test values 1 to 6 with variables names found in activity\_labels.txt

LAYING

SITTING

STANDING

WALKING

WALKING\_DOWNSTAIRS

WALKING\_UPSTAIRS

[2] "Subject" - Integer

Identifies the subject who performed the activity for each window sample.

1..30

The following are the averages of the feature variables for each Activity and Subject. Feature names are explained in features\_info.txt. Feature values are numeric.

[3] "tBodyAcc-mean()-X"

[4] "tBodyAcc-mean()-Y"

[5] "tBodyAcc-mean()-Z"

[6] "tGravityAcc-mean()-X"

[7] "tGravityAcc-mean()-Y"

[8] "tGravityAcc-mean()-Z"

[9] "tBodyAccJerk-mean()-X"

[10] "tBodyAccJerk-mean()-Y"

[11] "tBodyAccJerk-mean()-Z"

[12] "tBodyGyro-mean()-X"

[13] "tBodyGyro-mean()-Y"

[14] "tBodyGyro-mean()-Z"

[15] "tBodyGyroJerk-mean()-X"

[16] "tBodyGyroJerk-mean()-Y"

[17] "tBodyGyroJerk-mean()-Z"

[18] "tBodyAccMag-mean()"

[19] "tGravityAccMag-mean()"

[20] "tBodyAccJerkMag-mean()"

[21] "tBodyGyroMag-mean()"

[22] "tBodyGyroJerkMag-mean()"

[23] "fBodyAcc-mean()-X"

[24] "fBodyAcc-mean()-Y"

[25] "fBodyAcc-mean()-Z"

[26] "fBodyAcc-meanFreq()-X"

[27] "fBodyAcc-meanFreq()-Y"

[28] "fBodyAcc-meanFreq()-Z"

[29] "fBodyAccJerk-mean()-X"

[30] "fBodyAccJerk-mean()-Y"

[31] "fBodyAccJerk-mean()-Z"

[32] "fBodyAccJerk-meanFreq()-X"

[33] "fBodyAccJerk-meanFreq()-Y"

[34] "fBodyAccJerk-meanFreq()-Z"

[35] "fBodyGyro-mean()-X"

[36] "fBodyGyro-mean()-Y"

[37] "fBodyGyro-mean()-Z"

[38] "fBodyGyro-meanFreq()-X"

[39] "fBodyGyro-meanFreq()-Y"

[40] "fBodyGyro-meanFreq()-Z"

[41] "fBodyAccMag-mean()"

[42] "fBodyAccMag-meanFreq()"

[43] "fBodyBodyAccJerkMag-mean()"

[44] "fBodyBodyAccJerkMag-meanFreq()"

[45] "fBodyBodyGyroMag-mean()"

[46] "fBodyBodyGyroMag-meanFreq()"

[47] "fBodyBodyGyroJerkMag-mean()"

[48] "fBodyBodyGyroJerkMag-meanFreq()"

[49] "tBodyAcc-std()-X"

[50] "tBodyAcc-std()-Y"

[51] "tBodyAcc-std()-Z"

[52] "tGravityAcc-std()-X"

[53] "tGravityAcc-std()-Y"

[54] "tGravityAcc-std()-Z"

[55] "tBodyAccJerk-std()-X"

[56] "tBodyAccJerk-std()-Y"

[57] "tBodyAccJerk-std()-Z"

[58] "tBodyGyro-std()-X"

[59] "tBodyGyro-std()-Y"

[60] "tBodyGyro-std()-Z"

[61] "tBodyGyroJerk-std()-X"

[62] "tBodyGyroJerk-std()-Y"

[63] "tBodyGyroJerk-std()-Z"

[64] "tBodyAccMag-std()"

[65] "tGravityAccMag-std()"

[66] "tBodyAccJerkMag-std()"

[67] "tBodyGyroMag-std()"

[68] "tBodyGyroJerkMag-std()"

[69] "fBodyAcc-std()-X"

[70] "fBodyAcc-std()-Y"

[71] "fBodyAcc-std()-Z"

[72] "fBodyAccJerk-std()-X"

[73] "fBodyAccJerk-std()-Y"

[74] "fBodyAccJerk-std()-Z"

[75] "fBodyGyro-std()-X"

[76] "fBodyGyro-std()-Y"

[77] "fBodyGyro-std()-Z"

[78] "fBodyAccMag-std()"

[79] "fBodyBodyAccJerkMag-std()"

[80] "fBodyBodyGyroMag-std()"

[81] "fBodyBodyGyroJerkMag-std()"