

These are the variables in the 'tidy\_data\_table' data frame:

Variable	Column Number	Description
Subject_number	1	Identifies the subject who performed the activity for each window sample. Its range is from 1 to 30.
Activity	2	Identifies one of the six activities that the subject did. These were WALKING, WALKING_UPSTAIRS, WALKING_DOWNSTAIRS, SITTING, STANDING and LAYING.
.....mean()	3 4 5 9 10 11 15 16 17 21 22 23 27 28 29 33 35 37 39 41 43 44 45 52 53 54 61 62 63 70 73 76 79	Identifies the mean value of a set of variables of the feature vector for each pattern (see below). The features are listed below. If there is an x, y or z after the 'mean()' it denotes the 3-axial signals in the X, Y and Z directions. Note that these are again averaged for each subject and each activity.
....meanFreq()	49 50 51 58 59 60 67 68 69 72 75 78 81	Identifies the weighted average of the frequency components used to obtain a mean frequency value of a set of variables of the feature vector for each pattern (see below). The features are listed below. If there is an x, y or z after the 'mean()' it denotes the 3-axial signals in the X, Y and Z directions. Note that these are again averaged for each subject and each activity.
.....std()	6 7 8 12 13 14 1 8 19 20 24 25 26 3 0 31 32 34 36 38 4 0 42 46 47 48 55 5 6 57 64 65 66 71 7 4 77 80	Identifies the standard deviation of a set of variables of the feature vector for each pattern (see below). The features are listed below. If there is an x, y or z after the 'std()' it denotes the 3-axial signals in the X, Y and Z directions. Note that these are again averaged for each subject and each activity.

The features that exist are:

- tBodyAcc-XYZ
- tGravityAcc-XYZ
- tBodyAccJerk-XYZ
- tBodyGyro-XYZ
- tBodyGyroJerk-XYZ
- tBodyAccMag
- tGravityAccMag
- tBodyAccJerkMag
- tBodyGyroMag
- tBodyGyroJerkMag
- fBodyAcc-XYZ
- fBodyAccJerk-XYZ
- fBodyGyro-XYZ
- fBodyAccMag
- fBodyAccJerkMag
- fBodyGyroMag
- fBodyGyroJerkMag