**Codebook for Tidy\_Dataset\_means**

**"1" "Subject\_ID"**

Number of the subject performing the activities. 30 subjects participated in the study.

**"2" "Activity\_ID"**

Factor variable. Identification of the activity performed by the subject.

1 WALKING

2 WALKING\_UPSTAIRS

3 WALKING\_DOWNSTAIRS

4 SITTING

5 STANDING

6 LAYING

**"3" "tBodyAcc.mean...X"**

Numeric variable representing the mean of the measurement by subject and by activity.

**"4" "tBodyAcc.mean...Y"**

Numeric variable representing the mean of the measurement by subject and by activity.

**"5" "tBodyAcc.mean...Z"**

Numeric variable representing the mean of the measurement by subject and by activity.

**"6" "tBodyAcc.std...X"**

Numeric variable representing the mean of the measurement by subject and by activity.

**"7" "tBodyAcc.std...Y"**

Numeric variable representing the mean of the measurement by subject and by activity.

**"8" "tBodyAcc.std...Z"**

Numeric variable representing the mean of the measurement by subject and by activity.

**"9" "tGravityAcc.mean...X"**

Numeric variable representing the mean of the measurement by subject and by activity.

**"10" "tGravityAcc.mean...Y"**

Numeric variable representing the mean of the measurement by subject and by activity.

**"11" "tGravityAcc.mean...Z"**

Numeric variable representing the mean of the measurement by subject and by activity.

**"12" "tGravityAcc.std...X"**

Numeric variable representing the mean of the measurement by subject and by activity.

**"13" "tGravityAcc.std...Y"**

Numeric variable representing the mean of the measurement by subject and by activity.

**"14" "tGravityAcc.std...Z"**

Numeric variable representing the mean of the measurement by subject and by activity.

**"15" "tBodyAccJerk.mean...X"**

Numeric variable representing the mean of the measurement by subject and by activity.

**"16" "tBodyAccJerk.mean...Y"**

Numeric variable representing the mean of the measurement by subject and by activity.

**"17" "tBodyAccJerk.mean...Z"**

Numeric variable representing the mean of the measurement by subject and by activity.

**"18" "tBodyAccJerk.std...X"**

Numeric variable representing the mean of the measurement by subject and by activity.

**"19" "tBodyAccJerk.std...Y"**

Numeric variable representing the mean of the measurement by subject and by activity.

**"20" "tBodyAccJerk.std...Z"**

Numeric variable representing the mean of the measurement by subject and by activity.

**"21" "tBodyGyro.mean...X"**

Numeric variable representing the mean of the measurement by subject and by activity.

**"22" "tBodyGyro.mean...Y"**

Numeric variable representing the mean of the measurement by subject and by activity.

**"23" "tBodyGyro.mean...Z"**

Numeric variable representing the mean of the measurement by subject and by activity.

**"24" "tBodyGyro.std...X"**

Numeric variable representing the mean of the measurement by subject and by activity.

**"25" "tBodyGyro.std...Y"**

Numeric variable representing the mean of the measurement by subject and by activity.

**"26" "tBodyGyro.std...Z"**

Numeric variable representing the mean of the measurement by subject and by activity.

**"27" "tBodyGyroJerk.mean...X"**

Numeric variable representing the mean of the measurement by subject and by activity.

**"28" "tBodyGyroJerk.mean...Y"**

Numeric variable representing the mean of the measurement by subject and by activity.

**"29" "tBodyGyroJerk.mean...Z"**

Numeric variable representing the mean of the measurement by subject and by activity.

**"30" "tBodyGyroJerk.std...X"**

Numeric variable representing the mean of the measurement by subject and by activity.

**"31" "tBodyGyroJerk.std...Y"**

Numeric variable representing the mean of the measurement by subject and by activity.

**"32" "tBodyGyroJerk.std...Z"**

Numeric variable representing the mean of the measurement by subject and by activity.

**"33" "tBodyAccMag.mean.."**

Numeric variable representing the mean of the measurement by subject and by activity.

**"34" "tBodyAccMag.std.."**

Numeric variable representing the mean of the measurement by subject and by activity.

**"35" "tGravityAccMag.mean.."**

Numeric variable representing the mean of the measurement by subject and by activity.

**"36" "tGravityAccMag.std.."**

Numeric variable representing the mean of the measurement by subject and by activity.

**"37" "tBodyAccJerkMag.mean.."**

Numeric variable representing the mean of the measurement by subject and by activity.

**"38" "tBodyAccJerkMag.std.."**

Numeric variable representing the mean of the measurement by subject and by activity.

**"39" "tBodyGyroMag.mean.."**

Numeric variable representing the mean of the measurement by subject and by activity.

**"40" "tBodyGyroMag.std.."**

Numeric variable representing the mean of the measurement by subject and by activity.

**"41" "tBodyGyroJerkMag.mean.."**

Numeric variable representing the mean of the measurement by subject and by activity.

**"42" "tBodyGyroJerkMag.std.."**

Numeric variable representing the mean of the measurement by subject and by activity.

**"43" "fBodyAcc.mean...X"**

Numeric variable representing the mean of the measurement by subject and by activity.

**"44" "fBodyAcc.mean...Y"**

Numeric variable representing the mean of the measurement by subject and by activity.

**"45" "fBodyAcc.mean...Z"**

Numeric variable representing the mean of the measurement by subject and by activity.

**"46" "fBodyAcc.std...X"**

Numeric variable representing the mean of the measurement by subject and by activity.

**"47" "fBodyAcc.std...Y"**

Numeric variable representing the mean of the measurement by subject and by activity.

**"48" "fBodyAcc.std...Z"**

Numeric variable representing the mean of the measurement by subject and by activity.

**"49" "fBodyAcc.meanFreq...X"**

Numeric variable representing the mean of the measurement by subject and by activity.

**"50" "fBodyAcc.meanFreq...Y"**

Numeric variable representing the mean of the measurement by subject and by activity.

**"51" "fBodyAcc.meanFreq...Z"**

Numeric variable representing the mean of the measurement by subject and by activity.

**"52" "fBodyAccJerk.mean...X"**

Numeric variable representing the mean of the measurement by subject and by activity.

**"53" "fBodyAccJerk.mean...Y"**

Numeric variable representing the mean of the measurement by subject and by activity.

**"54" "fBodyAccJerk.mean...Z"**

Numeric variable representing the mean of the measurement by subject and by activity.

**"55" "fBodyAccJerk.std...X"**

Numeric variable representing the mean of the measurement by subject and by activity.

**"56" "fBodyAccJerk.std...Y"**

Numeric variable representing the mean of the measurement by subject and by activity.

**"57" "fBodyAccJerk.std...Z"**

Numeric variable representing the mean of the measurement by subject and by activity.

**"58" "fBodyAccJerk.meanFreq...X"**

Numeric variable representing the mean of the measurement by subject and by activity.

**"59" "fBodyAccJerk.meanFreq...Y"**

Numeric variable representing the mean of the measurement by subject and by activity.

**"60" "fBodyAccJerk.meanFreq...Z"**

Numeric variable representing the mean of the measurement by subject and by activity.

**"61" "fBodyGyro.mean...X"**

Numeric variable representing the mean of the measurement by subject and by activity.

**"62" "fBodyGyro.mean...Y"**

Numeric variable representing the mean of the measurement by subject and by activity.

**"63" "fBodyGyro.mean...Z"**

Numeric variable representing the mean of the measurement by subject and by activity.

**"64" "fBodyGyro.std...X"**

Numeric variable representing the mean of the measurement by subject and by activity.

**"65" "fBodyGyro.std...Y"**

Numeric variable representing the mean of the measurement by subject and by activity.

**"66" "fBodyGyro.std...Z"**

Numeric variable representing the mean of the measurement by subject and by activity.

**"67" "fBodyGyro.meanFreq...X"**

Numeric variable representing the mean of the measurement by subject and by activity.

**"68" "fBodyGyro.meanFreq...Y"**

Numeric variable representing the mean of the measurement by subject and by activity.

**"69" "fBodyGyro.meanFreq...Z"**

Numeric variable representing the mean of the measurement by subject and by activity.

**"70" "fBodyAccMag.mean.."**

Numeric variable representing the mean of the measurement by subject and by activity.

**"71" "fBodyAccMag.std.."**

Numeric variable representing the mean of the measurement by subject and by activity.

**"72" "fBodyAccMag.meanFreq.."**

Numeric variable representing the mean of the measurement by subject and by activity.

**"73" "fBodyBodyAccJerkMag.mean.."**

Numeric variable representing the mean of the measurement by subject and by activity.

**"74" "fBodyBodyAccJerkMag.std.."**

Numeric variable representing the mean of the measurement by subject and by activity.

**"75" "fBodyBodyAccJerkMag.meanFreq.."**

Numeric variable representing the mean of the measurement by subject and by activity.

**"76" "fBodyBodyGyroMag.mean.."**

Numeric variable representing the mean of the measurement by subject and by activity.

**"77" "fBodyBodyGyroMag.std.."**

Numeric variable representing the mean of the measurement by subject and by activity.

**"78" "fBodyBodyGyroMag.meanFreq.."**

Numeric variable representing the mean of the measurement by subject and by activity.

**"79" "fBodyBodyGyroJerkMag.mean.."**

Numeric variable representing the mean of the measurement by subject and by activity.

**"80" "fBodyBodyGyroJerkMag.std.."**

Numeric variable representing the mean of the measurement by subject and by activity.

**"81" "fBodyBodyGyroJerkMag.meanFreq.."**

Numeric variable representing the mean of the measurement by subject and by activity.