Code book for variables

Data set created based on the experiment “Human Activity Recognition Using Smartphones”: Davide Anguita, Alessandro Ghio, Luca Oneto, Xavier Parra and Jorge L. Reyes-Ortiz. Human Activity Recognition on Smartphones using a Multiclass Hardware-Friendly Support Vector Machine. International Workshop of Ambient Assisted Living (IWAAL 2012). Vitoria-Gasteiz, Spain. Dec 2012

Original data can be found here:
http://archive.ics.uci.edu/ml/datasets/Human+Activity+Recognition+Using+Smartphones

This data set contains means of variables - measurements on the mean and standard deviation for each measurement – per volunteers and activity.

person
number of person- volunteer taking part in the experiment
1-30

activity_name
name of the activity
1 WALKING
2 WALKING_UPSTAIRS
3 WALKING_DOWNSTAIRS
4 SITTING
5 STANDING
6 LAYING

tBodyAcc-mean()-X, tBodyAcc-mean()-Y, tBodyAcc-mean()-Z, tBodyAcc-std()-X, tBodyAcc-std()-Y, tBodyAcc-std()-Z, tGravityAcc-mean()-X, tGravityAcc-mean()-Y, tGravityAcc-mean()-Z, tGravityAcc-std()-X, tGravityAcc-std()-Y, tGravityAcc-std()-Z, tBodyAccJerk-mean()-X, tBodyAccJerk-mean()-Y, tBodyAccJerk-mean()-Z, tBodyAccJerk-std()-X, tBodyAccJerk-std()-Y, tBodyAccJerk-std()-Z, tBodyGyro-mean()-X, tBodyGyro-mean()-Y, tBodyGyro-mean()-Z, tBodyGyro-std()-X, tBodyGyro-std()-Y, tBodyGyro-std()-Z, tBodyGyroJerk-mean()-X, tBodyGyroJerk-mean()-Y, tBodyGyroJerk-mean()-Z, tBodyGyroJerk-std()-X, tBodyGyroJerk-std()-Y, tBodyGyroJerk-std()-Z, tBodyAccMag-mean(), tBodyAccMag-std(), tGravityAccMag-mean(), tGravityAccMag-std(), tBodyAccJerkMag-mean(), tBodyAccJerkMag-std(), tBodyGyroMag-mean(), tBodyGyroMag-std(), tBodyGyroJerkMag-mean(), tBodyGyroJerkMag-std(), fBodyAcc-mean()-X, fBodyAcc-mean()-Y, fBodyAcc-mean()-Z, fBodyAcc-std()-X, fBodyAcc-std()-Y, fBodyAcc-std()-Z, fBodyAcc-meanFreq()-X, fBodyAcc-meanFreq()-Y, fBodyAcc-meanFreq()-Z, fBodyAccJerk-mean()-X, fBodyAccJerk-mean()-Y, fBodyAccJerk-mean()-Z, fBodyAccJerk-std()-X, fBodyAccJerk-std()-Y, fBodyAccJerk-std()-Z, fBodyAccJerk-meanFreq()-X, fBodyAccJerk-meanFreq()-Y, fBodyAccJerk-meanFreq()-Z, fBodyGyro-mean()-X, fBodyGyro-mean()-Y, fBodyGyro-mean()-Z, fBodyGyro-std()-X, fBodyGyro-std()-Y, fBodyGyro-std()-Z, fBodyGyro-meanFreq()-X, fBodyGyro-meanFreq()-Y, fBodyGyro-meanFreq()-Z, fBodyAccMag-mean(), fBodyAccMag-std(), fBodyAccMag-meanFreq(), fBodyBodyAccJerkMag-mean(), fBodyBodyAccJerkMag-std(), fBodyBodyAccJerkMag-meanFreq(), fBodyBodyGyroMag-mean(), fBodyBodyGyroMag-std(), fBodyBodyGyroMag-meanFreq(), fBodyBodyGyroJerkMag-mean(), fBodyBodyGyroJerkMag-std(), fBodyBodyGyroJerkMag-meanFreq()
means of measurements on the mean and standard deviation for each measurement.