**Code Book**

**ID Fields**

* subject - The participant ("subject") ID
* activity - The label of the activity performed when the corresponding measurements were taken

**Extracted Feature Fields**

* tBodyAcc-mean()-X (column 1)
* tBodyAcc-mean()-Y (column 2)
* tBodyAcc-mean()-Z (column 3)
* tBodyAcc-std()-X (column 4)
* tBodyAcc-std()-Y (column 5)
* tBodyAcc-std()-Z (column 6)
* tGravityAcc-mean()-X (column 41)
* tGravityAcc-mean()-Y (column 42)
* tGravityAcc-mean()-Z (column 43)
* tGravityAcc-std()-X (column 44)
* tGravityAcc-std()-Y (column 45)
* tGravityAcc-std()-Z (column 46)
* tBodyAccJerk-mean()-X (column 81)
* tBodyAccJerk-mean()-Y (column 82)
* tBodyAccJerk-mean()-Z (column 83)
* tBodyAccJerk-std()-X (column 84)
* tBodyAccJerk-std()-Y (column 85)
* tBodyAccJerk-std()-Z (column 86)
* tBodyGyro-mean()-X (column 121)
* tBodyGyro-mean()-Y (column 122)
* tBodyGyro-mean()-Z (column 123)
* tBodyGyro-std()-X (column 124)
* tBodyGyro-std()-Y (column 125)
* tBodyGyro-std()-Z (column 126)
* tBodyGyroJerk-mean()-X (column 161)
* tBodyGyroJerk-mean()-Y (column 162)
* tBodyGyroJerk-mean()-Z (column 163)
* tBodyGyroJerk-std()-X (column 164)
* tBodyGyroJerk-std()-Y (column 165)
* tBodyGyroJerk-std()-Z (column 166)
* tBodyAccMag-mean() (column 201)
* tBodyAccMag-std() (column 202)
* tGravityAccMag-mean() (column 214)
* tGravityAccMag-std() (column 215)
* tBodyAccJerkMag-mean() (column 227)
* tBodyAccJerkMag-std() (column 228)
* tBodyGyroMag-mean() (column 240)
* tBodyGyroMag-std() (column 241)
* tBodyGyroJerkMag-mean() (column 253)
* tBodyGyroJerkMag-std() (column 254)
* fBodyAcc-mean()-X (column 266)
* fBodyAcc-mean()-Y (column 267)
* fBodyAcc-mean()-Z (column 268)
* fBodyAcc-std()-X (column 269)
* fBodyAcc-std()-Y (column 270)
* fBodyAcc-std()-Z (column 271)
* fBodyAccJerk-mean()-X (column 345)
* fBodyAccJerk-mean()-Y (column 346)
* fBodyAccJerk-mean()-Z (column 347)
* fBodyAccJerk-std()-X (column 348)
* fBodyAccJerk-std()-Y (column 349)
* fBodyAccJerk-std()-Z (column 350)
* fBodyGyro-mean()-X (column 424)
* fBodyGyro-mean()-Y (column 425)
* fBodyGyro-mean()-Z (column 426)
* fBodyGyro-std()-X (column 427)
* fBodyGyro-std()-Y (column 428)
* fBodyGyro-std()-Z (column 429)
* fBodyAccMag-mean() (column 503)
* fBodyAccMag-std() (column 504)
* fBodyBodyAccJerkMag-mean() (column 516)
* fBodyBodyAccJerkMag-std() (column 517)
* fBodyBodyGyroMag-mean() (column 529)
* fBodyBodyGyroMag-std() (column 530)
* fBodyBodyGyroJerkMag-mean() (column 542)
* fBodyBodyGyroJerkMag-std() (column 543)

**Activity Labels**

* WALKING (value 1)
* WALKING\_UPSTAIRS (value 2)
* WALKING\_DOWNSTAIRS (value 3)
* SITTING (value 4)
* STANDING (value 5)
* LAYING (value 6)