Getting And Cleaning Data
Course Project Code Book

Prepared by Mark Johnson

1. Output Files Code Book description

1.1. tiddyData object / Tiddy_data.txt file

The detailed Tiddy_Data information is persisted to a file called 'Tiddy_data.txt' and consists of the following factors and measures.

1.1.1. Data factors

The Tiddy_Data factors available include:

- subjectId – The test subjects id
- activityId – the original coded activity id
- activityLabel – the text description for the activityId based on the provided 'activity_features.txt' definition.

1.1.2. Data Measures

The Tiddy_Data object is persisted to a file named 'Tiddy_data.txt' and consists of the detailed 'mean' and 'std' measures occurring in both the TRAIN and TEST data sets. For each of the measures below there exists an X, Y and Z coordinates:

- 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

1.2. tiddyMean Object / Tiddy_mean.txt persisted file

The 'Tiddy_mean.txt' file is the persistence of the script file object 'tiddyMean' and represents the mean for all numerical measure values from the tiddyData object group_ed by the factors 'activityLabel' and 'subjectId'.

1.2.1. Data Factors

There are only 2 factors included in this object:

- subjectId – The test subjects id
- activityLabel – the text description for the activityId based on the provided 'activity_features.txt' definition.