CodeBook for Week 4 Peer-Reviwed Assignment

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Variable Disciption

The variables presented are the mean and standard deviation values calculated from an accelerometer and 3-axial gyroscope measurements. This final dataset contains the merged values of two original datasets. The original datasets contained the same measurement variables, however, these measurements were taken at different times. See the Readme.txt for a full description of raw measurements and subsequent signal processing.

Cleaning and Tidying

1) Text files were read into R Tables from R's WD

2) Columns were given names in association with their appropriate measurment

3) Training and Test datasets merged into 1 data frame

4) Appropriate names given to activiteis

5) Logical statement used to select "mean" and "std" columns

6) Returned index from logical statement was used to extract the "Mean" and "Std" columns

6) Summarizre used to take the mean of columns while considering "subject" and "activity" grouping

7) Txt file writen with results

Activity Codes

1 = WALKING

2 = WALKING_UPSTAIRS

3 = WALKING_DOWNSTAIRS

4 = SITTING

5 = STANDING

6 = LAYING