

This is a codebook for the means.txt file and the means dataframe created by the run_analysis.R script in this repo.

The means.txt file contains the means of 68 variables, calculated for 30 subjects and 6 activities. The subjects are numbered from 1 to 30, and the activities are *walking*, *walking upstairs*, *walking downstairs*, *sitting*, *standing* and *laying*.

The variables are named according to the following scheme:

[domain]_[measurement]_[statistic]_[coordinate]

domain: time or frequency

measurement: BodyAcceleration, GravityAcceleration, Jerk, AngularVelocity, or AngularJerk

statistic: mean or std

coordinate: X, Y, Z or Mag (where Mag stands for magnitude)

For more information on each of the variables see /data/README.TXT