**Code Book for “tidy data.txt”**

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| **Variable Name** | **Description** | **Unit** |
| SubjectID | Subject’s ID number | N/A |
| Activity | Name of the activity | N/A |
| tGravityAccMag-mean | Mean of the magnitude of the gravitational acceleration for the domain of time. | gravity (g) |
| tBodyAccJerkMag-mean | Mean of the magnitude of the rate of change of linear body acceleration for the domain of time. | gravity per second (g/s) |
| tBodyGyroMag-mean | Mean of the magnitude of the angular velocity for the domain of time. | radians per second (r/s) |
| tBodyGyroJerkMag-mean | Mean of the magnitude of the rate of change of angular velocity for the domain of time. | radians per second squared (r/s^2) |
| fBodyAccMag-mean | Mean of the magnitude of the rate of change of angular velocity for the domain of time. | radians per second squared (r/s^2) |
| fBodyBodyAccJerkMag-mean | Mean of the magnitude of the rate of change of angular velocity for the domain of time. | radians per second squared (r/s^2) |
| fBodyBodyGyroMag-mean | Mean of the magnitude of the rate of change of angular velocity for the domain of time. | radians per second squared (r/s^2) |
| fBodyBodyGyroJerkMag-mean | mean of the magnitude of the rate of change of angular velocity for the domain of time. | radians per second squared (r/s^2) |
| tBodyAccMag-std | Standard deviation of the body acceleration for the domain of time. | gravity (g) |
| tGravityAccMag-std | Standard deviation of the magnitude of the gravitational acceleration for the domain of time. | gravity (g) |
| tBodyAccJerkMag-std | Standard deviation of the magnitude of the rate of change of linear body acceleration for the domain of time. | gravity per second (g/s) |
| tBodyGyroMag-std | Standard deviation of the magnitude of the angular velocity for the domain of time. | radians per second (r/s) |
| tBodyGyroJerkMag-std | Standard deviation of the magnitude of the rate of change of angular velocity for the domain of time. | radians per second squared (r/s^2) |
| fBodyAccMag-std | Standard deviation of the magnitude of the gravitational acceleration for the domain of time. | Gravity (g) |
| fBodyBodyAccJerkMag-std | Standard deviaiton of the magnitude of the rate of change of angular velocity for the domain of time. | radians per second squared (r/s^2) |
| fBodyBodyGyroMag-std | Standard deviation of the magnitude of the rate of change of angular velocity for the domain of time. | radians per second squared (r/s^2) |
| fBodyBodyGyroJerkMag-std | Standard deviation of the magnitude of the rate of change of angular velocity for the domain of time. | radians per second squared (r/s^2) |