

Code Book for Getting and Cleaning Data Course Project

Data has been reorganized from individual observations with ID variables of Subject and Activity with the rest as measurement variables. Observations are grouped by the abovementioned ID variables and measurement variables summarized as averages of all observations. These averages are that of their normalized source data.

Below is the description of each column of the output data, along with the source observation data reference, if applicable.

Column No.	Column Name	Description	Source Ref.
1	Subject	Subject of the observations	-
2	Activity	Activity carried out during observation	-
3	Time.Body.Acc.Mean.X	Average of all observations of Mean of X of Time Domain Signal of Body Accelerometer	tBodyAcc-mean()-X
4	Time.Body.Acc.Mean.Y	Average of all observations of Mean of Y of Time Domain Signal of Body Accelerometer	tBodyAcc-mean()-Y
5	Time.Body.Acc.Mean.Z	Average of all observations of Mean of Z of Time Domain Signal of Body Accelerometer	tBodyAcc-mean()-Z
6	Time.Body.Acc.Std.X	Average of all observations of Std of X of Time Domain Signal of Body Accelerometer	tBodyAcc-std()-X
7	Time.Body.Acc.Std.Y	Average of all observations of Std of Y of Time Domain Signal of Body Accelerometer	tBodyAcc-std()-Y
8	Time.Body.Acc.Std.Z	Average of all observations of Std of Z of Time Domain Signal of Body Accelerometer	tBodyAcc-std()-Z
9	Time.Gravity.Acc.Mean.X	Average of all observations of Mean of X of Time Domain Signal of Gravity Accelerometer	tGravityAcc-mean()-X
10	Time.Gravity.Acc.Mean.Y	Average of all observations of Mean of Y of Time Domain Signal of Gravity Accelerometer	tGravityAcc-mean()-Y
11	Time.Gravity.Acc.Mean.Z	Average of all observations of Mean of Z of Time Domain Signal of Gravity Accelerometer	tGravityAcc-mean()-Z
12	Time.Gravity.Acc.Std.X	Average of all observations of Std of X of Time Domain Signal of Gravity Accelerometer	tGravityAcc-std()-X
13	Time.Gravity.Acc.Std.Y	Average of all observations of Std of Y of Time Domain Signal of Gravity Accelerometer	tGravityAcc-std()-Y
14	Time.Gravity.Acc.Std.Z	Average of all observations of Std of Z of Time Domain Signal of Gravity Accelerometer	tGravityAcc-std()-Z
15	Time.Body.Acc.Jerk.Mean.X	Average of all observations of Mean of X of Time Domain Signal of Body Accelerometer Jerk	tBodyAccJerk-mean()-X
16	Time.Body.Acc.Jerk.Mean.Y	Average of all observations of Mean of Y of Time Domain Signal of Body Accelerometer Jerk	tBodyAccJerk-mean()-Y
17	Time.Body.Acc.Jerk.Mean.Z	Average of all observations of Mean of Z of Time Domain Signal of Body Accelerometer Jerk	tBodyAccJerk-mean()-Z
18	Time.Body.Acc.Jerk.Std.X	Average of all observations of Std of X of Time Domain Signal of Body Accelerometer Jerk	tBodyAccJerk-std()-X
19	Time.Body.Acc.Jerk.Std.Y	Average of all observations of Std of Y of Time Domain Signal of Body Accelerometer Jerk	tBodyAccJerk-std()-Y
20	Time.Body.Acc.Jerk.Std.Z	Average of all observations of Std of Z of Time Domain Signal of Body Accelerometer Jerk	tBodyAccJerk-std()-Z
21	Time.Body.Gyro.Mean.X	Average of all observations of Mean of X of Time Domain Signal of Body Gyrometer	tBodyGyro-mean()-X
22	Time.Body.Gyro.Mean.Y	Average of all observations of Mean of Y of Time Domain Signal of Body Gyrometer	tBodyGyro-mean()-Y
23	Time.Body.Gyro.Mean.Z	Average of all observations of Mean of Z of Time Domain Signal of Body Gyrometer	tBodyGyro-mean()-Z
24	Time.Body.Gyro.Std.X	Average of all observations of Std of X of Time Domain Signal of Body Gyrometer	tBodyGyro-std()-X
25	Time.Body.Gyro.Std.Y	Average of all observations of Std of Y of Time Domain Signal of Body Gyrometer	tBodyGyro-std()-Y
26	Time.Body.Gyro.Std.Z	Average of all observations of Std of Z of Time Domain Signal of Body Gyrometer	tBodyGyro-std()-Z
27	Time.Body.Gyro.Jerk.Mean.X	Average of all observations of Mean of X of Time Domain Signal of Body Gyrometer Jerk	tBodyGyroJerk-mean()-X
28	Time.Body.Gyro.Jerk.Mean.Y	Average of all observations of Mean of Y of Time Domain Signal of Body Gyrometer Jerk	tBodyGyroJerk-mean()-Y
29	Time.Body.Gyro.Jerk.Mean.Z	Average of all observations of Mean of Z of Time Domain Signal of Body Gyrometer Jerk	tBodyGyroJerk-mean()-Z
30	Time.Body.Gyro.Jerk.Std.X	Average of all observations of Std of X of Time Domain Signal of Body Gyrometer Jerk	tBodyGyroJerk-std()-X
31	Time.Body.Gyro.Jerk.Std.Y	Average of all observations of Std of Y of Time Domain Signal of Body Gyrometer Jerk	tBodyGyroJerk-std()-Y

32 Time.Body.Gyro.Jerk.Std.Z	Average of all observations of Std of Z of Time Domain Signal of Body Gyrometer Jerk	tBodyGyroJerk-std()-Z
33 Time.Body.Acc.Mag.Mean	Average of all observations of Mean of X of Time Domain Signal of Body Accelerometer Magnitude	tBodyAccMag-mean()
34 Time.Body.Acc.Mag.Std	Average of all observations of Std of X of Time Domain Signal of Body Accelerometer Magnitude	tBodyAccMag-std()
35 Time.Gravity.Acc.Mag.Mean	Average of all observations of Mean of X of Time Domain Signal of Gravity Accelerometer Magnitude	tGravityAccMag-mean()
36 Time.Gravity.Acc.Mag.Std	Average of all observations of Std of X of Time Domain Signal of Gravity Accelerometer Magnitude	tGravityAccMag-std()
37 Time.Body.Acc.Jerk.Mag.Mean	Average of all observations of Mean of X of Time Domain Signal of Body Accelerometer Jerk Magnitude	tBodyAccJerkMag-mean()
38 Time.Body.Acc.Jerk.Mag.Std	Average of all observations of Std of X of Time Domain Signal of Body Accelerometer Jerk Magnitude	tBodyAccJerkMag-std()
39 Time.Body.Gyro.Mag.Mean	Average of all observations of Mean of X of Time Domain Signal of Body Gyrometer Magnitude	tBodyGyroMag-mean()
40 Time.Body.Gyro.Mag.Std	Average of all observations of Std of X of Time Domain Signal of Body Gyrometer Magnitude	tBodyGyroMag-std()
41 Time.Body.Gyro.Jerk.Mag.Mean	Average of all observations of Mean of X of Time Domain Signal of Body Gyrometer Jerk Magnitude	tBodyGyroJerkMag-mean()
42 Time.Body.Gyro.Jerk.Mag.Std	Average of all observations of Std of X of Time Domain Signal of Body Gyrometer Jerk Magnitude	tBodyGyroJerkMag-std()
43 Freq.Body.Acc.Mean.X	Average of all observations of Mean of X of Frequency Domain Signal of Body Accelerometer	fBodyAcc-mean()-X
44 Freq.Body.Acc.Mean.Y	Average of all observations of Mean of Y of Frequency Domain Signal of Body Accelerometer	fBodyAcc-mean()-Y
45 Freq.Body.Acc.Mean.Z	Average of all observations of Mean of Z of Frequency Domain Signal of Body Accelerometer	fBodyAcc-mean()-Z
46 Freq.Body.Acc.Std.X	Average of all observations of Std of X of Frequency Domain Signal of Body Accelerometer	fBodyAcc-std()-X
47 Freq.Body.Acc.Std.Y	Average of all observations of Std of Y of Frequency Domain Signal of Body Accelerometer	fBodyAcc-std()-Y
48 Freq.Body.Acc.Std.Z	Average of all observations of Std of Z of Frequency Domain Signal of Body Accelerometer	fBodyAcc-std()-Z
49 Freq.Body.Acc.Jerk.Mean.X	Average of all observations of Mean of X of Frequency Domain Signal of Body Accelerometer Jerk	fBodyAccJerk-mean()-X
50 Freq.Body.Acc.Jerk.Mean.Y	Average of all observations of Mean of Y of Frequency Domain Signal of Body Accelerometer Jerk	fBodyAccJerk-mean()-Y
51 Freq.Body.Acc.Jerk.Mean.Z	Average of all observations of Mean of Z of Frequency Domain Signal of Body Accelerometer Jerk	fBodyAccJerk-mean()-Z
52 Freq.Body.Acc.Jerk.Std.X	Average of all observations of Std of X of Frequency Domain Signal of Body Accelerometer Jerk	fBodyAccJerk-std()-X
53 Freq.Body.Acc.Jerk.Std.Y	Average of all observations of Std of Y of Frequency Domain Signal of Body Accelerometer Jerk	fBodyAccJerk-std()-Y
54 Freq.Body.Acc.Jerk.Std.Z	Average of all observations of Std of Z of Frequency Domain Signal of Body Accelerometer Jerk	fBodyAccJerk-std()-Z
55 Freq.Body.Gyro.Mean.X	Average of all observations of Mean of X of Frequency Domain Signal of Body Gyrometer	fBodyGyro-mean()-X
56 Freq.Body.Gyro.Mean.Y	Average of all observations of Mean of Y of Frequency Domain Signal of Body Gyrometer	fBodyGyro-mean()-Y
57 Freq.Body.Gyro.Mean.Z	Average of all observations of Mean of Z of Frequency Domain Signal of Body Gyrometer	fBodyGyro-mean()-Z
58 Freq.Body.Gyro.Std.X	Average of all observations of Std of X of Frequency Domain Signal of Body Gyrometer	fBodyGyro-std()-X
59 Freq.Body.Gyro.Std.Y	Average of all observations of Std of Y of Frequency Domain Signal of Body Gyrometer	fBodyGyro-std()-Y
60 Freq.Body.Gyro.Std.Z	Average of all observations of Std of Z of Frequency Domain Signal of Body Gyrometer	fBodyGyro-std()-Z
61 Freq.Body.Acc.Mag.Mean	Average of all observations of Mean of X of Frequency Domain Signal of Gravity Accelerometer Magnitude	fBodyAccMag-mean()
62 Freq.Body.Acc.Mag.Std	Average of all observations of Std of X of Frequency Domain Signal of Gravity Accelerometer Magnitude	fBodyAccMag-std()
63 Freq.Body.Acc.Jerk.Mag.Mean	Average of all observations of Mean of X of Frequency Domain Signal of Body Accelerometer Jerk Magnitude	fBodyBodyAccJerkMag-mean()
64 Freq.Body.Acc.Jerk.Mag.Std	Average of all observations of Std of X of Frequency Domain Signal of Body Accelerometer Jerk Magnitude	fBodyBodyAccJerkMag-std()
65 Freq.Body.Gyro.Mag.Mean	Average of all observations of Mean of X of Frequency Domain Signal of Body Gyrometer Magnitude	fBodyBodyGyroMag-mean()
66 Freq.Body.Gyro.Mag.Std	Average of all observations of Std of X of Frequency Domain Signal of Body Gyrometer Magnitude	fBodyBodyGyroMag-std()
67 Freq.Body.Gyro.Jerk.Mag.Mean	Average of all observations of Mean of X of Frequency Domain Signal of Body Gyrometer Jerk Magnitude	fBodyBodyGyroJerkMag-mean()
68 Freq.Body.Gyro.Jerk.Mag.Std	Average of all observations of Std of X of Frequency Domain Signal of Body Gyrometer Jerk Magnitude	fBodyBodyGyroJerkMag-std()