CODE BOOK FOR ASSIGNMENT "GETTING AND CLEANING DATA"

This Code Book applies to the "output.txt" file. Below are all columns listed from this file

This file contains a Average (Mean) value for combined data set of TRAIN and TEST measurements, of all the columns which have either phrase "mean()" or "std()".

This file is not sorted on any column.

It is assumed that the user is familiar with the Source Data.

File contains Tidy Data Set, because there is only one observation per row, and only one variable per column.

It is assumed that the user is familiar with the Source Data, for specific interpretation of the columns.

#	"output.txt" Column Label	Explanation, where necessary	Field Format	Key Column?
1	subject_code	Code for Subject	Integer	Yes
2	activity	Description for Activity	Character	Yes
3	tBodyAcc-mean()-X		Numeric with 15 deimal precision	No
4	tBodyAcc-mean()-Y		Numeric with 15 deimal precision	No
5	tBodyAcc-mean()-Z		Numeric with 15 deimal precision	No
6	tGravityAcc-mean()-X		Numeric with 15 deimal precision	No
7	tGravityAcc-mean()-Y		Numeric with 15 deimal precision	No
8	tGravityAcc-mean()-Z		Numeric with 15 deimal precision	No
9	tBodyAccJerk-mean()-X		Numeric with 15 deimal precision	No
10	tBodyAccJerk-mean()-Y		Numeric with 15 deimal precision	No
11	tBodyAccJerk-mean()-Z		Numeric with 15 deimal precision	No
12	tBodyGyro-mean()-X		Numeric with 15 deimal precision	No
13	tBodyGyro-mean()-Y		Numeric with 15 deimal precision	No
14	tBodyGyro-mean()-Z		Numeric with 15 deimal precision	No
15	tBodyGyroJerk-mean()-X		Numeric with 15 deimal precision	No
16	tBodyGyroJerk-mean()-Y		Numeric with 15 deimal precision	No
17	tBodyGyroJerk-mean()-Z		Numeric with 15 deimal precision	No
18	tBodyAccMag-mean()		Numeric with 15 deimal precision	No
19	tGravityAccMag-mean()		Numeric with 15 deimal precision	No
20	tBodyAccJerkMag-mean()		Numeric with 15 deimal precision	No
21	tBodyGyroMag-mean()		Numeric with 15 deimal precision	No
22	tBodyGyroJerkMag-mean()		Numeric with 15 deimal precision	No
23	fBodyAcc-mean()-X		Numeric with 15 deimal precision	No
24	fBodyAcc-mean()-Y		Numeric with 15 deimal precision	No
25	fBodyAcc-mean()-Z		Numeric with 15 deimal precision	No
26	fBodyAccJerk-mean()-X		Numeric with 15 deimal precision	No
27	fBodyAccJerk-mean()-Y		Numeric with 15 deimal precision	No
28	fBodyAccJerk-mean()-Z		Numeric with 15 deimal precision	No
29	fBodyGyro-mean()-X		Numeric with 15 deimal precision	No
30	fBodyGyro-mean()-Y		Numeric with 15 deimal precision	No
31	fBodyGyro-mean()-Z		Numeric with 15 deimal precision	No
32	fBodyAccMag-mean()		Numeric with 15 deimal precision	No
33	fBodyBodyAccJerkMag-mean()		Numeric with 15 deimal precision	No
34	fBodyBodyGyroMag-mean()	Mean of corresponding column from the combined data set (TEST + TRAIN)	Numeric with 15 deimal precision	No
35	fBodyBodyGyroJerkMag-mean()		Numeric with 15 deimal precision	No
36	tBodyAcc-std()-X		Numeric with 15 deimal precision	No
37	tBodyAcc-std()-Y		Numeric with 15 deimal precision	No
38	tBodyAcc-std()-Z		Numeric with 15 deimal precision	No
39	tGravityAcc-std()-X		Numeric with 15 deimal precision	No
40	tGravityAcc-std()-Y		Numeric with 15 deimal precision	No
41	tGravityAcc-std()-Z		Numeric with 15 deimal precision	No
42	tBodyAccJerk-std()-X		Numeric with 15 deimal precision	No
43	tBodyAccJerk-std()-Y		Numeric with 15 deimal precision	No
44	tBodyAccJerk-std()-Z		Numeric with 15 deimal precision	No
45	tBodyGyro-std()-X		Numeric with 15 deimal precision	No
46	tBodyGyro-std()-Y		Numeric with 15 deimal precision	No
47	tBodyGyro-std()-Z		Numeric with 15 deimal precision	No
48	tBodyGyroJerk-std()-X		Numeric with 15 deimal precision	No
49	tBodyGyroJerk-std()-Y		Numeric with 15 deimal precision	No

50	tBodyGyroJerk-std()-Z	Numeric with 15 deimal precision	No
51	tBodyAccMag-std()	Numeric with 15 deimal precision	No
52	tGravityAccMag-std()	Numeric with 15 deimal precision	No
53	tBodyAccJerkMag-std()	Numeric with 15 deimal precision	No
54	tBodyGyroMag-std()	Numeric with 15 deimal precision	No
55	tBodyGyroJerkMag-std()	Numeric with 15 deimal precision	No
56	fBodyAcc-std()-X	Numeric with 15 deimal precision	No
57	fBodyAcc-std()-Y	Numeric with 15 deimal precision	No
58	fBodyAcc-std()-Z	Numeric with 15 deimal precision	No
59	fBodyAccJerk-std()-X	Numeric with 15 deimal precision	No
60	fBodyAccJerk-std()-Y	Numeric with 15 deimal precision	No
61	fBodyAccJerk-std()-Z	Numeric with 15 deimal precision	No
62	fBodyGyro-std()-X	Numeric with 15 deimal precision	No
63	fBodyGyro-std()-Y	Numeric with 15 deimal precision	No
64	fBodyGyro-std()-Z	Numeric with 15 deimal precision	No
65	fBodyAccMag-std()	Numeric with 15 deimal precision	No
66	fBodyBodyAccJerkMag-std()	Numeric with 15 deimal precision	No
67	fBodyBodyGyroMag-std()	Numeric with 15 deimal precision	No
68	fBodyBodyGyroJerkMag-std()	Numeric with 15 deimal precision	No

Activity Code	Description	Check Summary Totals
1	WALKING	-564.9115512
2	WALKING_UPSTAIRS	-682.9069942
3	WALKING_DOWNSTAIRS	-348.6137801
4	SITTING	-1451.624061
5	STANDING	-1468.673838
6	LAYING	-1432.031549