## **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	fBodyAcc-meanFreq()-X	***		No
27	fBodyAcc-meanFreq()-Y			No
28	fBodyAcc-meanFreq()-Z	• • •		No
29	fBodyAccJerk-mean()-X	mean()-X		No
30	fBodyAccJerk-mean()-Y		Numeric with 15 deimal precision	No
31	fBodyAccJerk-mean()-Z		Numeric with 15 deimal precision	No
32	fBodyAccJerk-meanFreq()-X		Numeric with 15 deimal precision	No
33	fBodyAccJerk-meanFreq()-Y		Numeric with 15 deimal precision	No
34	fBodyAccJerk-meanFreq()-Z		Numeric with 15 deimal precision	No
35	fBodyGyro-mean()-X		Numeric with 15 deimal precision	No
36	fBodyGyro-mean()-Y		Numeric with 15 deimal precision	No
37	fBodyGyro-mean()-Z		Numeric with 15 deimal precision	No
38	fBodyGyro-meanFreq()-X		Numeric with 15 deimal precision	No
39	fBodyGyro-meanFreq()-Y		Numeric with 15 deimal precision	No
40	fBodyGyro-meanFreq()-Z		Numeric with 15 deimal precision	No
41	fBodyAccMag-mean()		Numeric with 15 deimal precision	No
42	fBodyAccMag-meanFreq()		Numeric with 15 deimal precision	No
43	fBodyBodyAccJerkMag-mean()		Numeric with 15 deimal precision	No
44	fBodyBodyAccJerkMag-meanFreq()	Mean of corresponding column from	Numeric with 15 deimal precision	No
45	fBodyBodyGyroMag-mean()	the combined data set (TEST +	Numeric with 15 deimal precision	No
46	fBodyBodyGyroMag-meanFreq()	TRAIN)	Numeric with 15 deimal precision	No
47	fBodyBodyGyroJerkMag-mean()	1	Numeric with 15 deimal precision	No
48	fBodyBodyGyroJerkMag-meanFreq()		Numeric with 15 deimal precision	No
49	angle(tBodyAccMean,gravity)		Numeric with 15 deimal precision	No

anglet(BodyAccerkMean),gravityMean) anglet(BodyGyroMean,gravityMean) anglet(BodyGyroJerkMean,gravityMean) Anumeric with 15 deimal precision Anumeric wi				
angle(KgravityMean)  angle(KgravityMean)  angle(KgravityMean)  Aumeric with 15 deimal precision  No  angle(KgravityMean)  Aumeric with 15 deimal precision  No  angle(KgravityMean)  Numeric with 15 deimal precision  No  tlodyAcc-std()-X  Numeric with 15 deimal precision  No  tlodyAcc-std()-Y  Numeric with 15 deimal precision  No  tlodyAcc-std()-Y  Numeric with 15 deimal precision  No  tlodyAcc-std()-X  Numeric with 15 deimal precision  No  tlodyAcc-std()-X  Numeric with 15 deimal precision  No  tloravityAcc-std()-Y  Numeric with 15 deimal precision  No  tloravityAcc-std()-Y  Numeric with 15 deimal precision  No  tloravityAcc-std()-X  Numeric with 15 deimal precision  No  tloravityAcc-std()-X  Numeric with 15 deimal precision  No  tloravityAcc-std()-Y  Numeric with 15 deimal precision  No  tlodyAcclerk-std()-Y  Numeric with 15 deimal precision  No  tlodyAcclerk-std()-Z  Numeric with 15 deimal precision  No  tlodyGyro-std()-X  Numeric with 15 deimal precision  No  tlodyGyro-std()-Z  Numeric with 15 deimal precision  No  tlodyGyro-std()-Z  Numeric with 15 deimal precision  No  tlodyGyro-std()-Z  Numeric with 15 deimal precision  No  tlodyGyro-std()-X  Numeric with 15 deimal precision  No  Numeri	50	angle(tBodyAccJerkMean),gravityMean)	Numeric with 15 deimal precision	No
angle(X,gravityMean) Angle(Y,gravityMean) Angle(Y,gravityMean) Angle(Y,gravityMean) Angle(Y,gravityMean) Angle(Y,gravityMean) Angle(Y,gravityMean) Angle(Y,gravityMean) Angle(Z,gravityMean) Angle(Z,g	51	angle(tBodyGyroMean,gravityMean)	Numeric with 15 deimal precision	No
angle(Y,gravityMean)  angle(Z,gravityMean)  Numeric with 15 deimal precision  No  155 angle(Z,gravityMean)  Numeric with 15 deimal precision  No  156 tbodyAcc-std()-Y  Numeric with 15 deimal precision  No  157 tbodyAcc-std()-Y  Numeric with 15 deimal precision  No  158 tbodyAcc-std()-X  Numeric with 15 deimal precision  No  159 tbravityAcc-std()-Y  Numeric with 15 deimal precision  No  150 tbravityAcc-std()-Y  Numeric with 15 deimal precision  No  150 tbravityAcc-std()-Y  Numeric with 15 deimal precision  No  151 tbravityAcc-std()-Y  Numeric with 15 deimal precision  No  151 tbravityAcc-std()-Y  Numeric with 15 deimal precision  No  152 tbravityAcc-std()-Y  Numeric with 15 deimal precision  No  153 tbravityAcc-std()-Y  Numeric with 15 deimal precision  No  154 tbravityAcc-std()-Y  Numeric with 15 deimal precision  No  155 tbravityAcc-std()-Y  Numeric with 15 deimal precision  No  156 tbravityAcc-std()-Y  Numeric with 15 deimal precision  No  157 tbravityAcc-std()-Y  Numeric with 15 deimal precision  No  158 tbravityAcc-std()-Y  Numeric with 15 deimal precision  No  159 tbravityAcc-std()-Y  Numeric with 15 deimal precision  No  150 tbravityAcc-std()-Y  Numeric with 15 deimal precision  No  160 tbravityAcc-std	52	angle(tBodyGyroJerkMean,gravityMean)	Numeric with 15 deimal precision	No
sangle(Z,gravityMean)  Numeric with 15 deimal precision  No  180dyAcc-std()-Y  Numeric with 15 deimal precision  No  180dyAcclerk-std()-Y  Numeric with 15 deimal precision  No  180dyGyro-std()-Y  Numeric with 15 deimal precision  No  180dyGyrolerk-std()-Y  Numeric with 15 deimal precision  No  180dyAcclerk-std()-Y  Numeric with 15 deimal precision  No  180dyGyrolerk-Mag-std()  Numeric with 15 deimal precision  No  180dyGyrolerk-Mag-std()  Numeric with 15 deimal precision  No  180dyAcclerk-std()-Y  Numer	53	angle(X,gravityMean)	Numeric with 15 deimal precision	No
tBodyAcc-std()-X tBodyAcc-std()-Y tBodyAcc-std()-Y tBodyAcc-std()-Y tBodyAcc-std()-Z tGravityAcc-std()-X tGravityAcc-std()-X tGravityAcc-std()-X tGravityAcc-std()-X tGravityAcc-std()-Z tBodyAcclerk-std()-Z tBodyAcclerk-std()-Z tBodyAcclerk-std()-Z tBodyAcclerk-std()-X tBodyAcclerk-std()-X tBodyAcclerk-std()-X tBodyAcclerk-std()-X tBodyAcclerk-std()-X tBodyAcclerk-std()-X tBodyAcclerk-std()-X tBodyAcclerk-std()-X tBodyGyro-std()-X tBodyGyro-	54	angle(Y,gravityMean)	Numeric with 15 deimal precision	No
tBodyAcc-std()-Y tBodyAcc-std()-Y tBodyAcc-std()-Y tGravityAcc-std()-X tGravityAcc-std()-X tGravityAcc-std()-Y tGravityAcc-std()-Y tGravityAcc-std()-Y tGravityAcc-std()-Y tGravityAcc-std()-Y tGravityAcc-std()-Y tGravityAcc-std()-Y tGravityAcc-std()-Y tGravityAcc-std()-X tGravityAcc-std()-X tGravityAcc-std()-X tGravityAcc-std()-X tBodyAcclerk-std()-X tBodyAcclerk-std()-X tBodyAcclerk-std()-Y tBodyAcclerk-std()-Y tBodyAcclerk-std()-Y tBodyAcclerk-std()-Y tBodyAcclerk-std()-Y tBodyAcclerk-std()-Y tBodyAcclerk-std()-Y tBodyAcclerk-std()-Y tBodyGyro-std()-Y tBodyGyro-std()-Y tBodyGyro-std()-X tBodyGyro-std()-X tBodyGyro-std()-X tBodyGyro-std()-X tBodyGyro-std()-X tBodyGyrolerk-std()-X tBodyGyrolerk-std()-X tBodyGyrolerk-std()-X tBodyGyrolerk-std()-X tBodyGyrolerk-std()-X tBodyGyrolerk-std()-X tBodyAccMag-std() tBodyAccMag-std() tBodyAccMag-std() tBodyAccMag-std() tBodyAccMag-std() tBodyGyroMag-std() tBodyGyroMag-std() tBodyGyroMag-std() tBodyGyroMag-std() tBodyGyroMag-std() tBodyAcc-std()-X tBodyBodyAcc-std()-X tBodyBodyAcc-std(	55	angle(Z,gravityMean)	Numeric with 15 deimal precision	No
58     tBodyAcc-std()-Z     Numeric with 15 deimal precision     No       59     tGravityAcc-std()-Y     Numeric with 15 deimal precision     No       61     tGravityAcc-std()-Y     Numeric with 15 deimal precision     No       61     tGravityAcc-std()-Z     Numeric with 15 deimal precision     No       62     tBodyAcclerk-std()-Y     Numeric with 15 deimal precision     No       63     tBodyAcclerk-std()-Y     Numeric with 15 deimal precision     No       64     tBodyGyro-std()-X     Numeric with 15 deimal precision     No       65     tBodyGyro-std()-Y     Numeric with 15 deimal precision     No       66     tBodyGyro-std()-Y     Numeric with 15 deimal precision     No       67     tBodyGyrolerk-std()-Y     Numeric with 15 deimal precision     No       68     tBodyGyrolerk-std()-Y     Numeric with 15 deimal precision     No       69     tBodyGyrolerk-std()-Y     Numeric with 15 deimal precision     No       70     tBodyGyrolerk-std()-Y     Numeric with 15 deimal precision     No       71     tBodyAccMag-std()     Numeric with 15 deimal precision     No       72     tGravityAccMag-std()     Numeric with 15 deimal precision     No       73     tBodyAccLerkMag-std()     Numeric with 15 deimal precision     No       74	56	tBodyAcc-std()-X	Numeric with 15 deimal precision	No
tGravityAcc-std()-X tGravityAcc-std()-Y tGravityAcc-std()-Y tGravityAcc-std()-Z tGravityAcc-std()-Z tGravityAcc-std()-Z tGravityAcc-std()-Z tBodyAcclerk-std()-Z tBodyAcclerk-std()-Y tBodyAcclerk-std()-Z tBodyAcclerk-std()-Z tBodyAcclerk-std()-Z tBodyAcclerk-std()-Z tBodyAcclerk-std()-Z tBodyAcclerk-std()-Z tBodyAcclerk-std()-Z tBodyAcclerk-std()-Z tBodyCyro-std()-X tBodyGyro-std()-X tBodyGyro-std()-Y tBodyGyro-std()-Y tBodyGyro-std()-Y tBodyGyro-std()-Z tBodyAcclerk-std()-Z tBodyGyro-std()-Z tBodyAcclerk-std()-Z tBodyGyro-std()-Z tBodyAcclerk-std()-Z tBodyGyro-std()-Z tBodyAcc-std()-Z tB	57	tBodyAcc-std()-Y	Numeric with 15 deimal precision	No
60 tGravityAcc-std()-Y 61 tGravityAcc-std()-Y 62 tBodyAcclerk-std()-X 63 tBodyAcclerk-std()-Y 64 tBodyAcclerk-std()-Y 65 tBodyAcclerk-std()-Y 66 tBodyAcclerk-std()-Z 67 Numeric with 15 deimal precision 68 tBodyAcclerk-std()-Z 68 tBodyAcclerk-std()-Z 69 Numeric with 15 deimal precision 89 Numeric with 15 deimal precision 80 Numeric with 15 deimal precision 81 Numeric with 15 deimal precision 82 Numeric with 15 deimal precision 83 Numeric with 15 deimal precision 84 Numeric with 15 deimal precision 85 Numeric with 15 deimal precision 86 Numeric with 15 deimal precision 87 Numeric with 15 deimal precision 88 Numeric with 15 deimal precision 89 Numeric with 15 deimal precision 80 Numeric with 15 deimal precision 80 Numeric with 15 deimal precision 80 Numeric with 15 deimal precision 81 Numeric with 15 deimal precision 82 Numeric with 15 deimal precis	58	tBodyAcc-std()-Z	Numeric with 15 deimal precision	No
61 tGravityAcc-std()-Z  80 tBodyAcclerk-std()-X  81 tBodyAcclerk-std()-Y  82 tBodyAcclerk-std()-Y  83 tBodyAcclerk-std()-Y  84 tBodyAcclerk-std()-Z  85 tBodyAcclerk-std()-Z  86 tBodyGyro-std()-X  86 tBodyGyro-std()-X  87 tBodyGyro-std()-Y  88 tBodyGyro-std()-Y  88 tBodyGyro-std()-Z  89 tBodyGyro-std()-Z  89 tBodyGyro-std()-Z  80 tBodyAcc-std()-Z  80 tBodyGyro-std()-Z  80	59	tGravityAcc-std()-X	Numeric with 15 deimal precision	No
tBodyAccJerk-std()-X tBodyAccJerk-std()-Y tBodyAccJerk-std()-Y tBodyAccJerk-std()-Z tBodyAccJerk-std()-Z tBodyAccJerk-std()-Z tBodyGyro-std()-X tBodyGyro-std()-X tBodyGyro-std()-Y tBodyGyro-std()-Y tBodyGyro-std()-Y tBodyGyro-std()-Y tBodyGyro-std()-Y tBodyGyro-std()-X tBodyGyro-std()-X tBodyGyro-std()-X tBodyGyro-std()-X tBodyGyro-std()-X tBodyGyro-std()-X tBodyGyroJerk-std()-X tBodyGyroJerk-std()-X tBodyGyroJerk-std()-Y tBodyGyroJerk-std()-Z tBodyGyroJerk-std()-Z tBodyAccMag-std() tGravityAccMag-std() tBodyAccMag-std() tBodyAccMag-std() tBodyGyroJerkMag-std() tBodyAccJerkMag-std() tBodyGyroJerkMag-std() tBodyGyroJerkMag-std() tBodyAccJerkMag-std() tBodyAcc-std()-X tBodyBodyAcc-std()-X tBodyAcc-std()-X tBodyBodyAcc-std()-X tBodyBodyBodyBodyAcc-std() tBodyBodyBodyBodyBodyAcc-std()-X tBodyBodyBodyBodyBodyBodyAcc-std() tBodyBodyBodyBodyBodyBodyBo	60	tGravityAcc-std()-Y	Numeric with 15 deimal precision	No
tBodyAccJerk-std()-Y tBodyAccJerk-std()-Z tBodyGyro-std()-X tBodyGyro-std()-Y tBodyGyrolerk-std()-Y tBodyGyrolerk-std()-Y tBodyGyrolerk-std()-Y tBodyGyrolerk-std()-Y tBodyGyrolerk-std()-Z tBodyGyrolerk-std()-Z tBodyAccMag-std() tBodyAccMag-std() tBodyAccMag-std() tBodyAccMag-std() tBodyAccJerkMag-std() tBodyGyrolerk-std()-Y tBodyGyrolerk-std()-Y tBodyGyrolerk-std()-Y tBodyGyrolerkMag-std() tBodyAcclerk-std()-Y tBodyAcclerk-std()-Y tBodyAcclerk-std()-Y tBodyGyrolerk-std()-Y tBodyGyrolerd() tBodyGyrolerd	61	tGravityAcc-std()-Z	Numeric with 15 deimal precision	No
tBodyAccJerk-std()-Z tBodyGyro-std()-X tBodyGyro-std()-Y tBodyGyro-std()-Y tBodyGyro-std()-Z tBodyGyro-std()-Z tBodyGyro-std()-Z tBodyGyro-std()-Z tBodyGyro-std()-Z tBodyGyro-std()-Z tBodyGyro-std()-Z tBodyGyro-std()-Z tBodyGyro-std()-Z tBodyGyrolerk-std()-X tBodyGyrolerk-std()-Y tBodyGyrolerk-std()-Y tBodyGyrolerk-std()-Z tBodyGyrolerk-std()-Z tBodyGyrolerk-std()-Z tBodyAccMag-std() tBodyAccMag-std() tBodyAccMag-std() tBodyAccMag-std() tBodyAccJerkMag-std() tBodyGyrolerk-std()-Z tGravityAccMag-std() tBodyAccJerkMag-std() tBodyGyroMag-std() tBodyGyroMag-std() tBodyGyroMag-std() tBodyGyroMag-std() tBodyAccJerkMag-std() tBodyAcc-std()-X tBodyAcc-std()-X tBodyAcc-std()-X tBodyAcc-std()-Z tBodyAccJerk-std()-Z tGravityAccMag-std() tBodyAcc-std()-X tBodyAcc-std()-Z tBodyAcc-std()-X tBodyAcc-std()-X tBodyAcc-std()-X tBodyAccJerk-std()-Y tBodyAcc-std()-X tBodyAccJerk-std()-Y tBodyBodyAccJerk-std()-Y tBodyBodyAccJerkMag-std() tBodyBodyAccJerkMag-std() tBodyBodyAccJerkMag-std() tBodyBodyAccJerkMag-std() tBodyBodyAccJerkMag-std() tBodyBodyGyroMag-std() tBodyBodyGyroMag-std() tBodyBodyGyroMag-std() tBodyBodyGyroMag-std() tBodyBodyGyroMag-std() tBodyBodyGyroMag-std() tBodyBodyGyroMag-std() tBodyBodyAccJerkMag-std() tBodyBodyGyroMag-std() tBodyBodyGyroMag-std() tBodyBodyAccJerkMag-std() tBodyBodyGyroMag-std() tBodyBodyBodyAccJerkMag-std() tBodyBodyBodyBodyBodyBodyBodyAccJerkMag-std() tBodyBodyBodyBodyBodyBodyBodyBodyBodyBody	62	tBodyAccJerk-std()-X	Numeric with 15 deimal precision	No
tBodyGyro-std()-X  tBodyGyro-std()-Y  tBodyGyro-std()-Z  tBodyGyro-std()-Z  tBodyGyro-std()-Z  tBodyGyro-std()-Z  tBodyGyro-std()-X  Numeric with 15 deimal precision  No  tBodyGyro-std()-X  Numeric with 15 deimal precision  No  tBodyGyrolerk-std()-X  Numeric with 15 deimal precision  No  tBodyGyrolerk-std()-Y  Numeric with 15 deimal precision  No  tBodyGyrolerk-std()-Z  Numeric with 15 deimal precision  No  tBodyAccMag-std()  Numeric with 15 deimal precision  No  tGravityAccMag-std()  Numeric with 15 deimal precision  No  tBodyGyroMag-std()  Numeric with 15 deimal precision  No  fBodyAcc-std()-X  Numeric with 15 deimal precision  No  fBodyAcc-std()-Y  Numeric with 15 deimal precision  No  fBodyAcc-std()-Z  Numeric with 15 deimal precision  No  fBodyAcc-std()-X  Numeric with 15 deimal precision  No  fBodyCor-std()-X  Numeric with 15 deimal precision  No  fBodyGyro-std()-X  Numeric with 15 deimal precision  No  fBodyGyro-std()-X  Numeric with 15 deimal precision  No  fBodyGyro-std()-Y  Numeric with 15 deimal precision  No  fBodyGyro-std()-Y  Numeric with 15 deimal precision  No  fBodyGyro-std()-Z  Numeric with 15 deimal	63	tBodyAccJerk-std()-Y	Numeric with 15 deimal precision	No
tBodyGyro-std()-Y tBodyGyro-std()-Z tBodyGyro-std()-Z tBodyGyro-std()-X tBodyGyro-std()-X tBodyGyrolerk-std()-X Numeric with 15 deimal precision No tBodyGyrolerk-std()-Y tBodyGyrolerk-std()-Y tBodyGyrolerk-std()-Y tBodyGyrolerk-std()-Z Numeric with 15 deimal precision No tBodyGyrolerk-std()-Z Numeric with 15 deimal precision No tBodyAccMag-std() Numeric with 15 deimal precision No tGravityAccMag-std() Numeric with 15 deimal precision No tBodyGyrolerk-std()-X Numeric with 15 deimal precision No tBodyGyrolerk-std() Numeric with 15 deimal precision No tBodyGyrolerk-std()-X Numeric with 15 deimal precision No fBodyAcc-std()-Y Numeric with 15 deimal precision No fBodyAcc-std()-X Numeric with 15 deimal precision No fBodyGyro-std()-X Numeric with 15 deimal precision No fBodyGyro-std()-X Numeric with 15 deimal precision No fBodyAcc-std()-Z Numeric with 15 deimal precision No	64	tBodyAccJerk-std()-Z	Numeric with 15 deimal precision	No
tBodyGyro-std()-Z  tBodyGyroJerk-std()-X  tBodyGyroJerk-std()-Y  tBodyGyroJerk-std()-Y  tBodyGyroJerk-std()-Z  Numeric with 15 deimal precision  No  tBodyGyroJerk-std()-Z  Numeric with 15 deimal precision  No  tBodyGyroJerk-std()-Z  Numeric with 15 deimal precision  No  tBodyAccMag-std()  Numeric with 15 deimal precision  No  tBodyAccJerkMag-std()  Numeric with 15 deimal precision  No  tBodyAccJerkMag-std()  Numeric with 15 deimal precision  No  tBodyGyroJerkMag-std()  Numeric with 15 deimal precision  No  tBodyGyroJerkMag-std()  Numeric with 15 deimal precision  No  tBodyAccJerkMag-std()  Numeric with 15 deimal precision  No  fBodyAcc-std()-X  Numeric with 15 deimal precision  No  fBodyAcc-std()-Z  Numeric with 15 deimal precision  No  fBodyAcc-std()-Z  Numeric with 15 deimal precision  No  fBodyAccJerk-std()-X  Numeric with 15 deimal precision  No  fBodyAccJerk-std()-Y  Numeric with 15 deimal precision  No  fBodyAccJerk-std()-Y  Numeric with 15 deimal precision  No  fBodyAccJerk-std()-Z  Numeric with 15 deimal precision  No  fBodyGyro-std()-X  Numeric with 15 deimal precision  No  fBodyGyro-std()-Y  Numeric with 15 deimal precision  No  fBodyBodyAccJerkMag-std()  Numeric with 15 deimal precision  No  fBodyBodyAccJerkMag-std()  Numeric with 15 deimal precision  No	65	tBodyGyro-std()-X	Numeric with 15 deimal precision	No
tBodyGyroJerk-std()-X Numeric with 15 deimal precision No tBodyGyroJerk-std()-Y Numeric with 15 deimal precision No tBodyGyroJerk-std()-Z Numeric with 15 deimal precision No tBodyAccMag-std() Numeric with 15 deimal precision No tGravityAccMag-std() Numeric with 15 deimal precision No tBodyAccJerkMag-std() Numeric with 15 deimal precision No tBodyAccJerkMag-std() Numeric with 15 deimal precision No tBodyGyroMag-std() Numeric with 15 deimal precision No tBodyGyroJerkMag-std() Numeric with 15 deimal precision No fBodyAcc-std()-X Numeric with 15 deimal precision No fBodyAcc-std()-Y Numeric with 15 deimal precision No fBodyAcc-std()-Z Numeric with 15 deimal precision No fBodyAccJerk-std()-X Numeric with 15 deimal precision No fBodyAccJerk-std()-Y Numeric with 15 deimal precision No fBodyAccJerk-std()-Z Numeric with 15 deimal precision No fBodyAccJerk-std()-Z Numeric with 15 deimal precision No fBodyAccJerk-std()-X Numeric with 15 deimal precision No fBodyGyro-std()-X Numeric with 15 deimal precision No fBodyGyro-std()-X Numeric with 15 deimal precision No fBodyGyro-std()-Y Numeric with 15 deimal precision No fBodyGyro-std()-Y Numeric with 15 deimal precision No fBodyGyro-std()-Z Numeric with 15 deimal precision No fBodyGyro-std()-Z Numeric with 15 deimal precision No fBodyGyro-std()-Z Numeric with 15 deimal precision No fBodyBodyGyro-std()-Z Numeric with 15 deimal precision No fBodyBodyGyro-std()-Z Numeric with 15 deimal precision No fBodyBodyGyro-std()-X Numeric with 15 deimal precision No fBodyBodyGyro-std()-X Numeric with 15 deimal precision No	66	tBodyGyro-std()-Y	Numeric with 15 deimal precision	No
tBodyGyroJerk-std()-Y tBodyGyroJerk-std()-Z Numeric with 15 deimal precision No tBodyAccMag-std() tGravityAccMag-std() Numeric with 15 deimal precision No tBodyAccJerkMag-std() Numeric with 15 deimal precision No tBodyAccJerkMag-std() Numeric with 15 deimal precision No tBodyGyroMag-std() Numeric with 15 deimal precision No tBodyGyroMag-std() Numeric with 15 deimal precision No tBodyGyroJerkMag-std() Numeric with 15 deimal precision No fBodyAcc-std()-X Numeric with 15 deimal precision No fBodyAcc-std()-Y Numeric with 15 deimal precision No fBodyAcc-std()-Z Numeric with 15 deimal precision No fBodyAccJerk-std()-X Numeric with 15 deimal precision No fBodyAccJerk-std()-Y Numeric with 15 deimal precision No fBodyAccJerk-std()-Y Numeric with 15 deimal precision No fBodyAccJerk-std()-Z Numeric with 15 deimal precision No fBodyGyro-std()-X Numeric with 15 deimal precision No fBodyGyro-std()-X Numeric with 15 deimal precision No fBodyGyro-std()-Y Numeric with 15 deimal precision No fBodyBodyGyro-std()-X Numeric with 15 deimal precision No fBodyBodyGyro-std()-X Numeric with 15 deimal precision No fBodyBodyAccJerkMag-std() Numeric with 15 deimal precision No fBodyBodyGyro-std()-X Numeric with 15 deimal precision No	67	tBodyGyro-std()-Z	Numeric with 15 deimal precision	No
tBodyGyroJerk-std()-Z tBodyAccMag-std() tBodyAccMag-std() tBodyAccMag-std() tBodyAccMag-std() tBodyAccJerkMag-std() tBodyAccJerkMag-std() tBodyAccJerkMag-std() tBodyGyroMag-std() tBodyGyroMag-std() tBodyGyroMag-std() tBodyGyroJerkMag-std() tBodyGyroJerkMag-std() tBodyGyroJerkMag-std() tBodyAcc-std()-X tBodyAcc-std()-X tBodyAcc-std()-Y tBodyAcc-std()-Y tBodyAcc-std()-Z tBodyAcc-std()-Z tBodyAcc-std()-X tBodyAcc-std()-Y tBodyAcc-std()-Y tBodyAccJerk-std()-Y tBodyAccJerk-std()-Y tBodyAccJerk-std()-Y tBodyAccJerk-std()-Y tBodyAccJerk-std()-Z tBodyGyro-std()-Z tBodyGyro-std()-X tBodyGyro-std()-Y tBodyGyro-std()-Y tBodyGyro-std()-Z tBodyGyro-std()-Z tBodyGyro-std()-Z tBodyGyro-std()-Z tBodyGyro-std()-Z tBodyGyro-std()-Z tBodyGyro-std()-Z tBodyBodyAccJerkMag-std() tBodyBodyGyroMag-std() tBodyBodyGyroMag-std(	68	tBodyGyroJerk-std()-X	Numeric with 15 deimal precision	No
tBodyAccMag-std() tGravityAccMag-std() tGravityAccMag-std() Numeric with 15 deimal precision No tBodyAccJerkMag-std() Numeric with 15 deimal precision No tBodyGyroMag-std() Numeric with 15 deimal precision No tBodyGyroMag-std() Numeric with 15 deimal precision No tBodyGyroJerkMag-std() Numeric with 15 deimal precision No fBodyAcc-std()-X Numeric with 15 deimal precision No Mumeric with 15 deimal precision No No fBodyAcc-std()-Y Numeric with 15 deimal precision No fBodyAccJerk-std()-X Numeric with 15 deimal precision No fBodyAccJerk-std()-Y Numeric with 15 deimal precision No fBodyAccJerk-std()-Y Numeric with 15 deimal precision No fBodyAccJerk-std()-Z Numeric with 15 deimal precision No fBodyGyro-std()-X Numeric with 15 deimal precision No fBodyGyro-std()-Y Numeric with 15 deimal precision No fBodyGyro-std()-Z Numeric with 15 deimal precision No fBodyGyro-std()-Z Numeric with 15 deimal precision No fBodyAccMag-std() Numeric with 15 deimal precision No fBodyBodyAccJerkMag-std() Numeric with 15 deimal precision No fBodyBodyGyroMag-std() Numeric with 15 deimal precision No	69	tBodyGyroJerk-std()-Y	Numeric with 15 deimal precision	No
tGravityAccMag-std() tBodyAccJerkMag-std() tBodyGyroMag-std() tBodyGyroMag-std() tBodyGyroMag-std() tBodyGyroJerkMag-std() tBodyGyroJerkMag-std() tBodyGyroJerkMag-std() Numeric with 15 deimal precision No tBodyGyroJerkMag-std() Numeric with 15 deimal precision No fBodyAcc-std()-X Numeric with 15 deimal precision No fBodyAcc-std()-Y Numeric with 15 deimal precision No fBodyAcc-std()-Z Numeric with 15 deimal precision No fBodyAccJerk-std()-X Numeric with 15 deimal precision No fBodyAccJerk-std()-Y Numeric with 15 deimal precision No fBodyAccJerk-std()-Z Numeric with 15 deimal precision No fBodyGyro-std()-X Numeric with 15 deimal precision No fBodyGyro-std()-Y Numeric with 15 deimal precision No fBodyGyro-std()-Y Numeric with 15 deimal precision No fBodyGyro-std()-Z Numeric with 15 deimal precision No fBodyGyro-std()-Z Numeric with 15 deimal precision No fBodyAccMag-std() No fBodyBodyAccJerkMag-std() Numeric with 15 deimal precision No fBodyBodyGyroMag-std() Numeric with 15 deimal precision No	70	tBodyGyroJerk-std()-Z	Numeric with 15 deimal precision	No
tBodyAccJerkMag-std() tBodyGyroMag-std() Numeric with 15 deimal precision No tBodyGyroJerkMag-std() Numeric with 15 deimal precision No fBodyAcc-std()-X Numeric with 15 deimal precision No fBodyAcc-std()-Y Numeric with 15 deimal precision No fBodyAcc-std()-Z Numeric with 15 deimal precision No fBodyAccJerk-std()-X Numeric with 15 deimal precision No fBodyAccJerk-std()-Y Numeric with 15 deimal precision No fBodyAccJerk-std()-Y Numeric with 15 deimal precision No fBodyAccJerk-std()-Z Numeric with 15 deimal precision No fBodyGyro-std()-X Numeric with 15 deimal precision No fBodyGyro-std()-Y Numeric with 15 deimal precision No fBodyGyro-std()-Y Numeric with 15 deimal precision No fBodyGyro-std()-Z Numeric with 15 deimal precision No fBodyGyro-std()-Z Numeric with 15 deimal precision No fBodyBodyAccJerkMag-std() Numeric with 15 deimal precision No fBodyBodyAccJerkMag-std() Numeric with 15 deimal precision No No fBodyBodyGyroMag-std() Numeric with 15 deimal precision No	71	tBodyAccMag-std()	Numeric with 15 deimal precision	No
74tBodyGyroMag-std()Numeric with 15 deimal precisionNo75tBodyGyroJerkMag-std()Numeric with 15 deimal precisionNo76fBodyAcc-std()-XNumeric with 15 deimal precisionNo77fBodyAcc-std()-YNumeric with 15 deimal precisionNo78fBodyAcc-std()-ZNumeric with 15 deimal precisionNo79fBodyAccJerk-std()-XNumeric with 15 deimal precisionNo80fBodyAccJerk-std()-YNumeric with 15 deimal precisionNo81fBodyAccJerk-std()-ZNumeric with 15 deimal precisionNo82fBodyGyro-std()-XNumeric with 15 deimal precisionNo83fBodyGyro-std()-YNumeric with 15 deimal precisionNo84fBodyGyro-std()-ZNumeric with 15 deimal precisionNo85fBodyAccMag-std()Numeric with 15 deimal precisionNo86fBodyBodyAccJerkMag-std()Numeric with 15 deimal precisionNo87fBodyBodyGyroMag-std()Numeric with 15 deimal precisionNo	72	tGravityAccMag-std()	Numeric with 15 deimal precision	No
The tabody GyroJerk Mag-std() The ta	73	tBodyAccJerkMag-std()	Numeric with 15 deimal precision	No
76fBodyAcc-std()-XNumeric with 15 deimal precisionNo77fBodyAcc-std()-YNumeric with 15 deimal precisionNo78fBodyAcc-std()-ZNumeric with 15 deimal precisionNo79fBodyAccJerk-std()-XNumeric with 15 deimal precisionNo80fBodyAccJerk-std()-YNumeric with 15 deimal precisionNo81fBodyGyco-std()-ZNumeric with 15 deimal precisionNo82fBodyGyro-std()-XNumeric with 15 deimal precisionNo83fBodyGyro-std()-YNumeric with 15 deimal precisionNo84fBodyGyro-std()-ZNumeric with 15 deimal precisionNo85fBodyAccMag-std()Numeric with 15 deimal precisionNo86fBodyBodyAccJerkMag-std()Numeric with 15 deimal precisionNo87fBodyBodyGyroMag-std()Numeric with 15 deimal precisionNo	74	tBodyGyroMag-std()	Numeric with 15 deimal precision	No
77 fBodyAcc-std()-Y     fBodyAcc-std()-Z     fBodyAcc-std()-Z     Numeric with 15 deimal precision No     RodyAccJerk-std()-X     Numeric with 15 deimal precision No     fBodyAccJerk-std()-Y     Numeric with 15 deimal precision No     fBodyAccJerk-std()-Z     Numeric with 15 deimal precision No     Rumeric with 15 deimal precision No	75	tBodyGyroJerkMag-std()	Numeric with 15 deimal precision	No
78fBodyAcc-std()-ZNumeric with 15 deimal precisionNo79fBodyAccJerk-std()-XNumeric with 15 deimal precisionNo80fBodyAccJerk-std()-YNumeric with 15 deimal precisionNo81fBodyAccJerk-std()-ZNumeric with 15 deimal precisionNo82fBodyGyro-std()-XNumeric with 15 deimal precisionNo83fBodyGyro-std()-YNumeric with 15 deimal precisionNo84fBodyGyro-std()-ZNumeric with 15 deimal precisionNo85fBodyAccMag-std()Numeric with 15 deimal precisionNo86fBodyBodyAccJerkMag-std()Numeric with 15 deimal precisionNo87fBodyBodyGyroMag-std()Numeric with 15 deimal precisionNo	76	fBodyAcc-std()-X	Numeric with 15 deimal precision	No
79 fBodyAccJerk-std()-X  80 fBodyAccJerk-std()-Y  81 fBodyAccJerk-std()-Z  82 fBodyGyro-std()-X  83 fBodyGyro-std()-Y  84 fBodyGyro-std()-Z  85 fBodyGyro-std()-Z  86 fBodyGyro-std()-Z  87 fBodyGyro-std()-Z  88 fBodyGyro-std()-Z  89 Numeric with 15 deimal precision  80 Numeric with 15 deimal precision  81 No  82 fBodyGyro-std()-X  83 fBodyGyro-std()-Z  84 fBodyGyro-std()-Z  85 fBodyAccMag-std()  86 fBodyBodyAccJerkMag-std()  87 fBodyBodyGyroMag-std()  88 Numeric with 15 deimal precision  89 No  80 Numeric with 15 deimal precision  80 No  81 Numeric with 15 deimal precision  80 No  81 Numeric with 15 deimal precision  81 No  82 Numeric with 15 deimal precision  83 No  84 Numeric with 15 deimal precision  85 No  86 Numeric with 15 deimal precision  86 No  87 fBodyBodyGyroMag-std()  88 Numeric with 15 deimal precision  89 No	77	fBodyAcc-std()-Y	Numeric with 15 deimal precision	No
80 fBodyAccJerk-std()-Y 81 fBodyAccJerk-std()-Z 82 fBodyGyro-std()-X 83 fBodyGyro-std()-Y 84 fBodyGyro-std()-Z 85 fBodyGyro-std()-Z 86 fBodyGyro-std()-Z 87 fBodyGyro-std()-Z 88 fBodyGyro-std()-Z 89 Numeric with 15 deimal precision 80 No 81 Numeric with 15 deimal precision 80 No 81 fBodyGyro-std()-Z 81 Numeric with 15 deimal precision 81 No 82 fBodyGyro-std()-Z 83 Numeric with 15 deimal precision 84 Numeric with 15 deimal precision 85 fBodyBodyAccJerkMag-std() 86 fBodyBodyAccJerkMag-std() 87 fBodyBodyGyroMag-std() 88 Numeric with 15 deimal precision 89 No	78	fBodyAcc-std()-Z	Numeric with 15 deimal precision	No
81 fBodyAccJerk-std()-Z  82 fBodyGyro-std()-X  83 fBodyGyro-std()-Y  84 fBodyGyro-std()-Z  85 fBodyAccMag-std()  86 fBodyBodyAccJerkMag-std()  87 fBodyBodyGyroMag-std()  88 Numeric with 15 deimal precision  89 Numeric with 15 deimal precision  80 Numeric with 15 deimal precision  81 No  82 Numeric with 15 deimal precision  83 No  84 Numeric with 15 deimal precision  85 No  86 Numeric with 15 deimal precision  87 No  88 Numeric with 15 deimal precision  88 No  89 No  80 Numeric with 15 deimal precision  80 No  80 Numeric with 15 deimal precision  80 No  81 No  82 Numeric with 15 deimal precision  83 No  84 Numeric with 15 deimal precision  85 No  86 No  87 No  88 No  88 No  89 No  89 No  80 No	79	fBodyAccJerk-std()-X	Numeric with 15 deimal precision	No
82 fBodyGyro-std()-X 83 fBodyGyro-std()-Y 84 fBodyGyro-std()-Z 85 fBodyAccMag-std() 86 fBodyBodyAccJerkMag-std() 87 fBodyBodyGyroMag-std() 88 Numeric with 15 deimal precision 89 Numeric with 15 deimal precision 80 Numeric with 15 deimal precision 80 Numeric with 15 deimal precision 81 No 82 Numeric with 15 deimal precision 83 No 84 Numeric with 15 deimal precision 85 No 86 Numeric with 15 deimal precision 86 No 87 No	80	fBodyAccJerk-std()-Y	Numeric with 15 deimal precision	No
83 fBodyGyro-std()-Y 84 fBodyGyro-std()-Z 85 fBodyAccMag-std() 86 fBodyBodyAccJerkMag-std() 87 fBodyBodyGyroMag-std() 88 Numeric with 15 deimal precision 89 No 80 Numeric with 15 deimal precision 80 Numeric with 15 deimal precision 80 Numeric with 15 deimal precision 81 No 82 Numeric with 15 deimal precision 83 No	81	fBodyAccJerk-std()-Z	Numeric with 15 deimal precision	No
84 fBodyGyro-std()-Z Numeric with 15 deimal precision No 85 fBodyAccMag-std() Numeric with 15 deimal precision No 86 fBodyBodyAccJerkMag-std() Numeric with 15 deimal precision No 87 fBodyBodyGyroMag-std() Numeric with 15 deimal precision No	82	fBodyGyro-std()-X	Numeric with 15 deimal precision	No
85 fBodyAccMag-std() 86 fBodyBodyAccJerkMag-std() 87 fBodyBodyGyroMag-std() 88 Numeric with 15 deimal precision No Numeric with 15 deimal precision No	83	fBodyGyro-std()-Y	Numeric with 15 deimal precision	No
86 fBodyBodyAccJerkMag-std() Numeric with 15 deimal precision No 87 fBodyBodyGyroMag-std() Numeric with 15 deimal precision No	84	fBodyGyro-std()-Z	Numeric with 15 deimal precision	No
87 fBodyBodyGyroMag-std() Numeric with 15 deimal precision No	85	fBodyAccMag-std()	Numeric with 15 deimal precision	No
, , , , , , , , , , , , , , , , , , , ,	86	fBodyBodyAccJerkMag-std()	Numeric with 15 deimal precision	No
	87	fBodyBodyGyroMag-std()	Numeric with 15 deimal precision	No
88 fBodyBodyGyroJerkMag-std() Numeric with 15 deimal precision No	88	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