

Code Book

S No	Variable	Explanation	Type	Transformation
1	X	Row Number	int	None
2	subject	Participant in the Study	int	None
3	activity	Nature of Activity.e.g. Walking,etc	factor	None
4	tBodyAccmeanX	Mean time domain body signals from Accelerometer along X Axis	numeric	Mean by subject and activity
5	tBodyAccmeanY	Mean time domain body signals from Accelerometer along Y Axis	numeric	Mean by subject and activity
6	tBodyAccmeanZ	Mean time domain body signals from Accelerometer along Z Axis	numeric	Mean by subject and activity
7	tGravityAccmeanX	Mean time domain gravity signals from Accelerometer along X Axis	numeric	Mean by subject and activity
8	tGravityAccmeanY	Mean time domain gravity signals from Accelerometer along Y Axis	numeric	Mean by subject and activity
9	tGravityAccmeanZ	Mean time domain gravity signals from Accelerometer along Z Axis	numeric	Mean by subject and activity
10	tBodyAccJerkmeanX	Mean time domain body linear acceleration signals from Accelerometer along X Axis	numeric	Mean by subject and activity
11	tBodyAccJerkmeanY	Mean time domain body linear acceleration signals from Accelerometer along Y Axis	numeric	Mean by subject and activity
12	tBodyAccJerkmeanZ	Mean time domain body linear acceleration signals from Accelerometer along Z Axis	numeric	Mean by subject and activity
13	tBodyGyromeanX	Mean time domain body signals from Gyrometer along X Axis	numeric	Mean by subject and activity
14	tBodyGyromeanY	Mean time domain body signals from Gyrometer along Y Axis	numeric	Mean by subject and activity
15	tBodyGyromeanZ	Mean time domain body signals from Gyrometer along Z Axis	numeric	Mean by subject and activity
16	tBodyGyroJerkmeanX	Mean time domain body linear acceleration signals from Gyrometer along X Axis	numeric	Mean by subject and activity

17	tBodyGyroJerkmeanY	Mean time domain body linear acceleration signals from Gyrometer along Y Axis	numeric	Mean by subject and activity
18	tBodyGyroJerkmeanZ	Mean time domain body linear acceleration signals from Gyrometer along Z Axis	numeric	Mean by subject and activity
19	tBodyAccMagmean	Mag Mean time domain body signals from Accelerometer	numeric	Mean by subject and activity
20	tGravityAccMagmean	Mag Mean time domain gravity signals from Accelerometer	numeric	Mean by subject and activity
21	tBodyAccJerkMagmean	Mag Mean time body linear signals from Accelerometer	numeric	Mean by subject and activity
22	tBodyGyroMagmean	Mag Mean time domain body signals from Gyrometer	numeric	Mean by subject and activity
23	tBodyGyroJerkMagmean	Mag Mean time body linear signals from Gyrometer	numeric	Mean by subject and activity
24	fBodyAccmeanX	Mean frequency domain body signals from Accelerometer along X Axis	numeric	Mean by subject and activity
25	fBodyAccmeanY	Mean frequency domain body signals from Accelerometer along Y Axis	numeric	Mean by subject and activity
26	fBodyAccmeanZ	Mean frequency domain body signals from Accelerometer along Z Axis	numeric	Mean by subject and activity
27	fBodyAccmeanFreqX	Mean frequency domain gravity signals from Accelerometer along X Axis	numeric	Mean by subject and activity
28	fBodyAccmeanFreqY	Mean frequency domain gravity signals from Accelerometer along Y Axis	numeric	Mean by subject and activity
29	fBodyAccmeanFreqZ	Mean frequency domain gravity signals from Accelerometer along Z Axis	numeric	Mean by subject and activity
30	fBodyAccJerkmeanX	Mean frequency domain body linear acceleration signals from Accelerometer along X Axis	numeric	Mean by subject and activity
31	fBodyAccJerkmeanY	Mean frequency domain body linear acceleration signals from Accelerometer along Y Axis	numeric	Mean by subject and activity
32	fBodyAccJerkmeanZ	Mean frequency domain body linear acceleration signals from Accelerometer along Z Axis	numeric	Mean by subject and activity
33	fBodyAccJerkmeanFreqX	Mean frequency domain body linear acceleration signals frequency from Accelerometer along X Axis	numeric	Mean by subject and activity

34	fBodyAccJerkmeanFreqY	Mean frequency domain body linear acceleration signals frequency from Accelerometer along Y Axis	numeric	Mean by subject and activity
35	fBodyAccJerkmeanFreqZ	Mean frequency domain body linear acceleration signals frequency from Accelerometer along Z Axis	numeric	Mean by subject and activity
36	fBodyGyromeanX	Mean frequency domain body signals from Gyrometer along X Axis	numeric	Mean by subject and activity
37	fBodyGyromeanY	Mean frequency domain body signals from Gyrometer along Y Axis	numeric	Mean by subject and activity
38	fBodyGyromeanZ	Mean frequency domain body signals from gyrometer along Z Axis	numeric	Mean by subject and activity
39	fBodyGyromeanFreqX	.....	numeric	Mean by subject and activity
40	fBodyGyromeanFreqY		numeric	Mean by subject and activity
41	fBodyGyromeanFreqZ		numeric	Mean by subject and activity
42	fBodyAccMagmean		numeric	Mean by subject and activity
43	fBodyAccMagmeanFreq		numeric	Mean by subject and activity
44	fBodyBodyAccJerkMagmean		numeric	Mean by subject and activity
45	fBodyBodyAccJerkMagmeanFreq		numeric	Mean by subject and activity
46	fBodyBodyGyroMagmean		numeric	Mean by subject and activity
47	fBodyBodyGyroMagmeanFreq		numeric	Mean by subject and activity
48	fBodyBodyGyroJerkMagmean		numeric	Mean by subject and activity
49	fBodyBodyGyroJerkMagmeanFreq		numeric	Mean by subject and activity
50	angletBodyAccMean.gravity		numeric	Mean by subject and activity
51	angletBodyAccJerkMean.gravityMean		numeric	Mean by subject and activity
52	angletBodyGyroMean.gravityMean		numeric	Mean by subject and activity
53	angletBodyGyroJerkMean.gravityMean		numeric	Mean by subject and activity
54	angleX.gravityMean		numeric	Mean by subject and activity
55	angleY.gravityMean		numeric	Mean by subject and activity
56	angleZ.gravityMean		numeric	Mean by subject and activity
57	tBodyAccstdX		numeric	Mean by subject and activity
58	tBodyAccstdY		numeric	Mean by subject and activity
59	tBodyAccstdZ		numeric	Mean by subject and activity
60	tGravityAccstdX		numeric	Mean by subject and activity
61	tGravityAccstdY		numeric	Mean by subject and activity

62	tGravityAccstdZ		numeric	Mean by subject and activity
63	tBodyAccJerkstdX		numeric	Mean by subject and activity
64	tBodyAccJerkstdY		numeric	Mean by subject and activity
65	tBodyAccJerkstdZ		numeric	Mean by subject and activity
66	tBodyGyrostdX		numeric	Mean by subject and activity
67	tBodyGyrostdY		numeric	Mean by subject and activity
68	tBodyGyrostdZ		numeric	Mean by subject and activity
69	tBodyGyroJerkstdX		numeric	Mean by subject and activity
70	tBodyGyroJerkstdY		numeric	Mean by subject and activity
71	tBodyGyroJerkstdZ		numeric	Mean by subject and activity
72	tBodyAccMagstd		numeric	Mean by subject and activity
73	tGravityAccMagstd		numeric	Mean by subject and activity
74	tBodyAccJerkMagstd		numeric	Mean by subject and activity
75	tBodyGyroMagstd		numeric	Mean by subject and activity
76	tBodyGyroJerkMagstd		numeric	Mean by subject and activity
77	fBodyAccstdX		numeric	Mean by subject and activity
78	fBodyAccstdY		numeric	Mean by subject and activity
79	fBodyAccstdZ		numeric	Mean by subject and activity
80	fBodyAccJerkstdX		numeric	Mean by subject and activity
81	fBodyAccJerkstdY		numeric	Mean by subject and activity
82	fBodyAccJerkstdZ		numeric	Mean by subject and activity
83	fBodyGyrostdX		numeric	Mean by subject and activity
84	fBodyGyrostdY		numeric	Mean by subject and activity
85	fBodyGyrostdZ		numeric	Mean by subject and activity
86	fBodyAccMagstd		numeric	Mean by subject and activity
87	fBodyBodyAccJerkMagstd		numeric	Mean by subject and activity
88	fBodyBodyGyroMagstd		numeric	Mean by subject and activity
89	fBodyBodyGyroJerkMagstd		numeric	Mean by subject and activity