## Getting and Cleaning Data Assignment Code Book

<u>Column</u>					
1	1	Subject	Subject Number	1-3	0 Subject Number
2	7-20	Activity	Type of Physical Activity	1	Walking
				2	Walking Upstairs
				3	Walking Downstairs
				4	Sitting
				5	Standing
				6	Laying
3	17	tBodyAcc.meanX	time body acceleration mean x-axis	6	0.2231
			mean for subject & activity		
4	17	tBodyAcc.meanY	time body acceleration mean y-axis	5	(-0.05) - 0.0
			mean for subject & activity		
5	17	tBodyAcc.meanZ	time body acceleration mean z-axis	5	(-0.16) - (-0.07)
			mean for subject & activity		
6	17	tBodyAcc.stdX	time body acceleration standard		(-1.0) - 0.63
			Deviation x-axis mean for subject		
			& activity		
7	17	tBodyAcc.stdY	time body acceleration standard		(-1.0) - 0.62
			Deviation y-axis for subject		
			& activity		
8	17	tBodyAcc.stdZ	time body acceleration standard		(-1.0) - 0.61
			Deviation z-axis for subject		
			& activity		

9	17	tGravityAcc.mean)	K time gravity acceleration mean	(-0.68) - 0.98
			x-axis for subject & activity	
10	17	tGravityAcc.mean\	f time gravity acceleration mean	(-0.48) - 0.96
			y-axis for subject & activity	
11	17	tGravityAcc.mean2	Z time gravity acceleration mean	(-0.46) - 0.96
			z-axis for subject & activity	
12	17	tGravityAcc.stdX	time gravity acceleration standard	(-1.0) - (-0.82)
			Deviation x-axis for subject	
			& activity	
13	17	tGravityAcc.stdY	time gravity acceleration standard	(-1.0) - (-0.64)
			Deviation y-axis for subject	
			& activity	
14	17	tGravityAcc.stdZ	time gravity acceleration standard	(-1.0) - (-0.61)
			Deviation z-axis for subject	
			& activity	
15	17	tBodyAccJerk.mean.	X time body acceleration jerk mean	0.04 - 0.14
			x-axis for subject & activity	
16	17	tBodyAccJerk.mean.	Y time body acceleration jerk mean	(-0.04) - 0.14
			y-axis for subject & activity	
17	17	tBodyAccJerk.mean.	Z time body acceleration jerk mean	(-0.07) - 0.04
			z-axis for subject & activity	
18	17	tBodyAccJerk.stdX	time body acceleration jerk standard	(-1.0) - 0.55
			Deviation x-axis for subject & activity	
19	17	tBodyAccJerk.stdY	time body acceleration jerk standard	(-1.0) - 0.36
			Deviation y-axis for subject & activity	
20	17	tBodyAccJerk.stdZ	time body acceleration jerk standard	(-1.0) - 0.04
			Deviation z-axis for subject & activity	
21	17	tBodyGyro.meanX	time body gyro mean x-axis	(-0.21) - 0.20
			for subject & activity	

22	17	tBodyGyro.meanY time body gyro mean y-axis (-0.21) - 0.03
		for subject & activity
23	17	tBodyGyro.meanZ time body gyro mean z-axis (-0.08) - 0.18
		for subject & activity
24	17	tBodyGyro.stdX time body gyro standard Deviation (-1.0) - 0.27
		x-axis for subject & activity
25	17	tBodyGyro.stdY time body gyro standard Deviation (-1.0) - 0.48
		y-axis for subject & activity
26	17	tBodyGyro.stdZ time body gyro standard Deviation (-1.0) - 0.57
		z-axis for subject & activity
27	17	tBodyGyroJerk.meanX time body gyro jerk mean x-axis (-0.16) - 0.21
		for subject & activity
28	17	tBodyGyroJerk.meanY time body gyro jerk mean y-axis (-0.08) - (-0.01)
		for subject & activity
29	17	tBodyGyroJerk.meanZ time body gyro jerk mean z-axis (-0.10) – 0.00
		for subject & activity
30	17	tBodyGyroJerk.stdX time body gyro jerk standard (-1.0) - 0.18
		Deviation x-axis for subject & activity
31	17	tBodyGyroJerk.stdY time body gyro jerk standard (-1.0) - 0.30
		Deviation y-axis for subject & activity
32	17	tBodyGyroJerk.stdZ time body gyro jerk standard (-1.0) - 0.20
		Deviation z-axis for subject & activity
33	17	tBodyAccMag.mean time body acceleration mag mean (-1.0) - 0.65
		for subject & activity
34	17	tBodyAccMag.std time body acceleration mag standard (-1.0) - 0.43
		deviation for subject & activity
35	17	tGravityAccMag.mean time gravity acceleration mag mean (-1.0) - 0.65
		for subject & activity

2.5	4-7			(4.0) 0.43
36	17	tGravityAcciviag.std	time gravity acceleration mag standard	(-1.0) - 0.43
			deviation for subject & activity	
37	17	tBodyAccJerkMag.m	nean time body acceleration jerk mag	(-1.0) - 0.43
			mean for subject & activity	
38	17	tBodyAccJerkMag.st	td time body acceleration jerk mag	(-1.0) - 0.46
			standard deviation for subject & activi	ity
39	17	tBodyGyroJerkMag.	mean time body gyro jerk mag	(-1.0) - 0.42
			mean for subject & activity	
40	17	tBodyGyroJerkMag.	std time body acceleration jerk mag	(-1.0) - 0.30
			standard deviation for subject & act	ivity
41	17	fBodyAcc.meanX	frequency body acceleration mean x-axis	(-1.0) - 0.09
			mean for subject & activity	
42	17	fBodyAcc.meanY	frequency body acceleration mean y-axis	(-1.0) - 0.25
			mean for subject & activity	
43	17	fBodyAcc.meanZ	frequency body acceleration mean z-axis	(-1.0) - 0.54
			mean for subject & activity	
44	17	fBodyAcc.stdX	frequency body acceleration standard	(-1.0) - 0.53
			Deviation x-axis mean for subject	
			& activity	
45	17	fBodyAcc.stdY	frequency body acceleration standard	(-1.0) - 0.29
			Deviation y-axis for subject	
			& activity	
46	17	fBodyAcc.stdZ	frequency body acceleration standard	(-1.0) - 0.66
			Deviation z-axis for subject	
			& activity	
47	17	fBodyAccJerk.mean	X frequency body acceleration jerk mean	(-1.0) - 0.57
		•	x-axis for subject & activity	
			•	

48	17	fBodyAccJerk.mean	Y frequency body acceleration jerk mean	(-1.0) - 0.69
			y-axis for subject & activity	
49	17	fBodyAccJerk.mean	Z frequency body acceleration jerk mean	(-1.0) - 0.48
			z-axis for subject & activity	
50	17	fBodyAccJerk.stdX	frequency body acceleration jerk standard	(-1.0) - 0.28
			Deviation x-axis for subject & activity	
51	17	fBodyAccJerk.stdY	frequency body acceleration jerk standard	(-1.0) - 0.16
			Deviation y-axis for subject & activity	
52	17	fBodyAccJerk.stdZ	frequency body acceleration jerk standard	(-1.0) - 0.48
			Deviation z-axis for subject & activity	
53	17	fBodyGyro.meanX	frequency body gyro mean x-axis	(-1.0) - 0.35
			for subject & activity	
54	17	fBodyGyro.meanY	frequency body gyro mean y-axis	(-1.0) - 0.0
			for subject & activity	
55	17	fBodyGyro.meanZ	frequency body gyro mean z-axis	(-1.0) - 0.48
			for subject & activity	
56	17	fBodyGyro.stdX	frequency body gyro standard Deviation	(-1.0) - 0.33
			x-axis for subject & activity	
57	17	fBodyGyro.stdY	frequency body gyro standard Deviation	(-1.0) - 050
			y-axis for subject & activity	
58	17	fBodyGyro.stdZ	frequency body gyro standard Deviation	(-1.0) - 0.20
			z-axis for subject & activity	
59	17	fBodyAccMag.mean	frequency body acceleration mag mean	(-1.0) - 0.65
			for subject & activity	
60	17	fBodyAccMag.std	frequency body acceleration mag standar	d (-1.0) - 0.53
			deviation for subject & activity	
61	17	fGravityAccMag.mear	n time gravity acceleration mag mean	(-1.0) - 0.59
			for subject & activity	

62	17	fGravityAccMag.std fre	quency gravity acceleration mag standard	(-1.0) - 0.18
		de	viation for subject & activity	
63	17	fBodyAccJerkMag.mean	frequency body acceleration jerk mag	(-1.0) - 0.54
			mean for subject & activity	
64	17	fBodyAccJerkMag.std	frequency body acceleration jerk mag	(-1.0) - 0.32
			standard deviation for subject & activity	
65	17	fBodyGyroJerkMag.mean.	. frequency body gyro jerk mag	(-1.0) - 0.21
			mean for subject & activity	
66	17	fBodyGyroJerkMag.std	frequency body acceleration jerk mag	(-1.0) - 0.24
			standard deviation for subject & activity	