This is a code book for the output generated from the run_analysis.R script.

No.	Variable	Description
1	Subject	A unique identifier for the subject whom performed the activity. Ranges from 1 to 30.
2	Activity	The activity for the measurements.
3	time.Body.Acc.mean.X	The mean of mean value of time domain signals for body acceleration signal for X axis for the subject for the activity.
4	time.Body.Acc.mean.Y	The mean of mean value of time domain signals for body acceleration signal for Y axis for the subject for the activity.
5	time.Body.Acc.mean.Z	The mean of mean value of time domain signals for body acceleration signal for Z axis for the subject for the activity.
6	time.Body.Acc.std.X	The mean of standard deviation value of time domain signals for body acceleration signal for X axis for the subject for the activity.
7	time.Body.Acc.std.Y	The mean of standard deviation value of time domain signals for body acceleration signal for Y axis for the subject for the activity.
8	time.Body.Acc.std.Z	The mean of standard deviation value of time domain signals for body acceleration signal for Z axis for the subject for the activity.
9	time.Gravity.Acc.mean.X	The mean of mean value of time domain signals for gravity acceleration signal for X axis for the subject for the activity.
10	time.Gravity.Acc.mean.Y	The mean of mean value of time domain signals for gravity acceleration signal for Y axis for the subject for the activity.
11	time.Gravity.Acc.mean.Z	The mean of mean value of time domain signals for gravity acceleration signal for Z axis for the subject for the activity.
12	time.Gravity.Acc.std.X	The mean of standard deviation value of gravity acceleration signals for body acceleration signal for X axis for the subject for the activity.
13	time.Gravity.Acc.std.Y	The mean of standard deviation value of gravity acceleration signals for body acceleration signal for Y axis for the subject for the activity.
14	time.Gravity.Acc.std.Z	The mean of standard deviation value of gravity acceleration signals for body acceleration signal for Z axis for the subject for the activity.
15	time.Body.Acc.Jerk.mean.X	The mean of mean value of time domain signals for body acceleration jerk signal for X axis for the subject for the activity.
16	time.Body.Acc.Jerk.mean.Y	The mean of mean value of time domain signals for body acceleration jerk signal for Y axis for the subject for the activity.
17	time.Body.Acc.Jerk.mean.Z	The mean of mean value of time domain signals for body acceleration jerk signal for Z axis for the subject for the activity.
18	time.Body.Acc.Jerk.std.X	The mean of standard deviation value of time domain signals for body acceleration jerk signal for X axis for the subject for the activity.
19	time.Body.Acc.Jerk.std.Y	The mean of standard deviation value of time domain signals for body acceleration jerk signal for Y axis for the subject for the activity.
20	time.Body.Acc.Jerk.std.Z	The mean of standard deviation value of time domain signals for body acceleration jerk signal for Z axis for the subject for the activity.

21	time.Body.Gyro.mean.X	The mean of mean value of time domain signals for body gyroscope signal for X axis for the subject for the activity.
22	time.Body.Gyro.mean.Y	The mean of mean value of time domain signals for body gyroscope signal for Y axis for the subject for the activity.
23	time.Body.Gyro.mean.Z	The mean of mean value of time domain signals for body gyroscope signal for Z axis for the subject for the activity.
24	time.Body.Gyro.std.X	The mean of standard deviation value of time domain signals for body gyroscope signal for X axis for the subject for the activity.
25	time.Body.Gyro.std.Y	The mean of standard deviation value of time domain signals for body gyroscope signal for Y axis for the subject for the activity.
26	time.Body.Gyro.std.Z	The mean of standard deviation value of time domain signals for body gyroscope signal for Z axis for the subject for the activity.
27	time.Body.Gyro.Jerk.mean.X	The mean of mean value of time domain signals for body gyroscope jerk signal for X axis for the subject for the activity.
28	time.Body.Gyro.Jerk.mean.Y	The mean of mean value of time domain signals for body gyroscope jerk signal for Y axis for the subject for the activity.
29	time.Body.Gyro.Jerk.mean.Z	The mean of mean value of time domain signals for body gyroscope jerk signal for Z axis for the subject for the activity.
30	time.Body.Gyro.Jerk.std.X	The mean of standard deviation value of time domain signals for body gyroscope jerk signal for X axis for the subject for the activity.
31	time.Body.Gyro.Jerk.std.Y	The mean of standard deviation value of time domain signals for body gyroscope jerk signal for Y axis for the subject for the activity.
32	time.Body.Gyro.Jerk.std.Z	The mean of standard deviation value of time domain signals for body gyroscope jerk signal for Z axis for the subject for the activity.
33	time.Body.Acc.Mag.mean	The mean of mean value of time domain signals for body acceleration magnitude signal for the subject for the activity.
34	time.Body.Acc.Mag.std	The mean of standard deviation value of time domain signals for body acceleration magnitude signal for the subject for the activity.
35	time.Gravity.Acc.Mag.mean	The mean of mean value of time domain signals for gravity acceleration magnitude signal for the subject for the activity.
36	time.Gravity.Acc.Mag.std	The mean of standard deviation value of time domain signals for gravity acceleration magnitude signal for the subject for the activity.
37	time.Body.Acc.Jerk.Mag.mean	The mean of mean value of time domain signals for body acceleration jerk magnitude signal for the subject for the activity.
38	time.Body.Acc.Jerk.Mag.std	The mean of standard deviation value of time domain signals for body acceleration jerk magnitude signal for the subject for the activity.
39	time.Body.Gyro.Mag.mean	The mean of mean value of time domain signals for body gyroscope magnitude signal for the subject for the activity.
40	time.Body.Gyro.Mag.std	The mean of standard deviation value of time domain signals for body gyroscope magnitude signal for the subject for the activity.

41	time.Body.Gyro.Jerk.Mag.mean	The mean of mean value of time domain signals for body gyroscope jerk magnitude signal for the subject for the activity.
42	time.Body.Gyro.Jerk.Mag.std	The mean of standard deviation value of time domain signals for body gyroscope jerk magnitude signal for the subject for the activity.
43	frequency.Body.Acc.mean.X	The mean of mean value of frequency domain signals for body acceleration signal for X axis for the subject for the activity.
44	frequency.Body.Acc.mean.Y	The mean of mean value of frequency domain signals for body acceleration signal for Y axis for the subject for the activity.
45	frequency.Body.Acc.mean.Z	The mean of mean value of frequency domain signals for body acceleration signal for Z axis for the subject for the activity.
46	frequency.Body.Acc.std.X	The mean of standard deviation value of frequency domain signals for body acceleration signal for X axis for the subject for the activity.
47	frequency.Body.Acc.std.Y	The mean of standard deviation value of frequency domain signals for body acceleration signal for Y axis for the subject for the activity.
48	frequency.Body.Acc.std.Z	The mean of standard deviation value of frequency domain signals for body acceleration signal for Z axis for the subject for the activity.
49	frequency.Body.Acc.Jerk.mean.X	The mean of mean value of frequency domain signals for body acceleration jerk signal for X axis for the subject for the activity.
50	frequency.Body.Acc.Jerk.mean.Y	The mean of mean value of frequency domain signals for body acceleration jerk signal for Y axis for the subject for the activity.
51	frequency.Body.Acc.Jerk.mean.Z	The mean of mean value of frequency domain signals for body acceleration jerk signal for Z axis for the subject for the activity.
52	frequency.Body.Acc.Jerk.stdX	The mean of standard deviation value of frequency domain signals for body acceleration jerk signal for X axis for the subject for the activity.
53	frequency.Body.Acc.Jerk.stdY	The mean of standard deviation value of frequency domain signals for body acceleration jerk signal for Y axis for the subject for the activity.
54	frequency.Body.Acc.Jerk.stdZ	The mean of standard deviation value of frequency domain signals for body acceleration jerk signal for Z axis for the subject for the activity.
55	frequency.Body.Gyro.mean.X	The mean of mean value of frequency domain signals for body gyroscope signal for X axis for the subject for the activity.
56	frequency.Body.Gyro.mean.Y	The mean of mean value of frequency domain signals for body gyroscope signal for Y axis for the subject for the activity.
57	frequency.Body.Gyro.mean.Z	The mean of mean value of frequency domain signals for body gyroscope signal for Z axis for the subject for the activity.
58	frequency.Body.Gyro.std.X	The mean of standard deviation value of frequency domain signals for body gyroscope signal for X axis for the subject for the activity.
59	frequency.Body.Gyro.std.Y	The mean of standard deviation value of frequency domain signals for body gyroscope signal for Y axis for the subject for the activity.

60	frequency.Body.Gyro.std.Z	The mean of standard deviation value of frequency domain signals for body gyroscope signal for Z axis for the subject for the activity.
61	frequency.Body.Acc.Mag.mean	The mean of mean value of frequency domain signals for body acceleration magnitude signal for the subject for the activity.
62	frequency.Body.Acc.Mag.std	The mean of standard deviation value of frequency domain signals for body acceleration magnitude signal for the subject for the activity.
63	frequency.Body.Body.Acc.Jerk.Mag.mean	The mean of mean value of frequency domain signals for body acceleration jerk magnitude signal for the subject for the activity.
64	frequency.Body.Body.Gyro.Mag.mean	The mean of mean value of frequency domain signals for body gyroscope magnitude signal for the subject for the activity.
65	frequency.Body.Body.Gyro.Mag.std	The mean of standard deviation value of frequency domain signals for body acceleration jerk magnitude signal for the subject for the activity.
66	frequency.Body.Body.Gyro.Jerk.Mag.mean	The mean of mean value of frequency domain signals for body gyroscope jerk magnitude signal for the subject for the activity.