

# Codebook

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## Column names and element descriptions

Column 1: Subject, 1 - 30

[1] the number of the 30 volunteers participating in the experiment

Column 2: Activity,

[2] activities that were performed by the volunteers

Column 3 - 68: full names of each column are listed below

- [3] mean of the mean of the (time domain) Body Accelerometer Signals, X-axis
- [4] mean of the mean of the (time domain) Body Accelerometer Signals, Y-axis
- [5] mean of the mean of the (time domain) Body Accelerometer Signals, Z-axis
- [6] mean of the standard deviation of the (time domain) Body Accelerometer Signals, X-axis
- [7] mean of the standard deviation of the (time domain) Body Accelerometer Signals, Y-axis
- [8] mean of the standard deviation of the (time domain) Body Accelerometer Signals, Z-axis
- [9] mean of the mean of the (time domain) Gravity Accelerometer Signals, X-axis
- [10] mean of the mean of the (time domain) Gravity Accelerometer Signals, Y-axis
- [11] mean of the mean of the (time domain) Gravity Accelerometer Signals, Z-axis
- [12] mean of the standard deviation of the (time domain) Gravity Accelerometer Signals, X-axis
- [13] mean of the standard deviation of the (time domain) Gravity Accelerometer Signals, Y-axis
- [14] mean of the standard deviation of the (time domain) Gravity Accelerometer Signals, Z-axis
- [15] mean of the mean of the (time domain) Body Accelerometer Signals, Jerk signal, X-axis
- [16] mean of the mean of the (time domain) Body Accelerometer Signals, Jerk signal, Y-axis
- [17] mean of the mean of the (time domain) Body Accelerometer Signals, Jerk signal, Z-axis
- [18] mean of the standard deviation of the (time domain) Body Accelerometer Signals, Jerk signal, X-axis
- [19] mean of the standard deviation of the (time domain) Body Accelerometer Signals, Jerk signal, Y-axis
- [20] mean of the standard deviation of the (time domain) Body Accelerometer Signals, Jerk signal, Z-axis
- [21] mean of the mean of the (time domain) Body Gyroscope Signals, X-axis
- [22] mean of the mean of the (time domain) Body Gyroscope Signals, Y-axis
- [23] mean of the mean of the (time domain) Body Gyroscope Signals, Z-axis
- [24] mean of the standard deviation of the (time domain) Body Gyroscope Signals, X-axis
- [25] mean of the standard deviation of the (time domain) Body Gyroscope Signals, Y-axis
- [26] mean of the standard deviation of the (time domain) Body Gyroscope Signals, Z-axis
- [27] mean of the mean of the (time domain) Body Gyroscope Signals, Jerk signal, X-axis
- [28] mean of the mean of the (time domain) Body Gyroscope Signals, Jerk signal, Y-axis
- [29] mean of the mean of the (time domain) Body Gyroscope Signals, Jerk signal, Z-axis
- [30] mean of the standard deviation of the (time domain) Body Gyroscope Signals, Jerk signal, X-axis
- [31] mean of the standard deviation of the (time domain) Body Gyroscope Signals, Jerk signal, Y-axis
- [32] mean of the standard deviation of the (time domain) Body Gyroscope Signals, Jerk signal, Z-axis
- [33] mean of the mean of the (time domain) Body Accelerometer Signals, Magnitude
- [34] mean of the standard deviation of the (time domain) Body Accelerometer Signals, Magnitude

[35] mean of the mean of the (time domain) Gravity Accelerometer Signals, Magnitude  
 [36] mean of the standard deviation of the (time domain) Gravity Accelerometer Signals, Magnitude  
 [37] mean of the mean of the (time domain) Body Accelerometer Signals, Jerk signal, Magnitude  
 [38] mean of the standard deviation of the (time domain) Body Accelerometer Signals, Jerk signal, Magnitude  
 [39] mean of the mean of the (time domain) Body Gyroscope Signals, Magnitude  
 [40] mean of the standard deviation of the (time domain) Body Gyroscope Signals, Magnitude  
 [41] mean of the mean of the (time domain) Body Gyroscope Signals, Jerk signal, Magnitude  
 [42] mean of the standard deviation of the (time domain) Body Gyroscope Signals, Jerk signal, Magnitude  
 [43] mean of the mean of the (frequency domain) Body Accelerometer Signals, X-axis  
 [44] mean of the mean of the (frequency domain) Body Accelerometer Signals, Y-axis  
 [45] mean of the mean of the (frequency domain) Body Accelerometer Signals, Z-axis  
 [46] mean of the standard deviation of the (frequency domain) Body Accelerometer Signals, X-axis  
 [47] mean of the standard deviation of the (frequency domain) Body Accelerometer Signals, Y-axis  
 [48] mean of the standard deviation of the (frequency domain) Body Accelerometer Signals, Z-axis  
 [49] mean of the mean of the (frequency domain) Body Accelerometer Signals, Jerk signal, X-axis  
 [50] mean of the mean of the (frequency domain) Body Accelerometer Signals, Jerk signal, Y-axis  
 [51] mean of the mean of the (frequency domain) Body Accelerometer Signals, Jerk signal, Z-axis  
 [52] mean of the standard deviation of the (frequency domain) Body Accelerometer Signals, Jerk signal,  
 X-axis  
 [53] mean of the standard deviation of the (frequency domain) Body Accelerometer Signals, Jerk signal,  
 Y-axis  
 [54] mean of the standard deviation of the (frequency domain) Body Accelerometer Signals, Jerk signal,  
 Z-axis  
 [55] mean of the mean of the (frequency domain) Body Gyroscope Signals, X-axis  
 [56] mean of the mean of the (frequency domain) Body Gyroscope Signals, Y-axis  
 [57] mean of the mean of the (frequency domain) Body Gyroscope Signals, Z-axis  
 [58] mean of the standard deviation of the (frequency domain) Body Gyroscope Signals, X-axis  
 [59] mean of the standard deviation of the (frequency domain) Body Gyroscope Signals, Y-axis  
 [60] mean of the standard deviation of the (frequency domain) Body Gyroscope Signals, Z-axis  
 [61] mean of the mean of the (frequency domain) Body Accelerometer Signals, Magnitude  
 [62] mean of the standard deviation of the (frequency domain) Body Accelerometer Signals, Magnitude  
 [63] mean of the mean of the (frequency domain) BodyBody Accelerometer Signals, Jerk signal, Magnitude  
 [64] mean of the standard deviation of the (frequency domain) BodyBody Accelerometer Signals, Jerk signal,  
 Magnitude [65] mean of the mean of the (frequency domain) BodyBody Gyroscope Signals, Magnitude  
 [66] mean of the standard deviation of the (frequency domain) BodyBody Gyroscope Signals, Magnitude  
 [67] mean of the mean of the (frequency domain) BodyBody Gyroscope Signals, Jerk signal, Magnitude  
 [68] mean of the standard deviation of the (frequency domain) BodyBody Gyroscope Signals, Jerk signal,  
 Magnitude