

Data Dictionary
result_of_step5.csv: "Getting Data" Project Assignment: result set

subject	Number (uniquely identifying number) of a volunteer (a subject) who participated in the experiment. format: 2 positions (digits) values: 1..30
activity	Activity label. Denotes the activity that the subject was performing when measurements were taken. format: 18 position (alpha); factor variable. values: "WALKING", "WALKING_UPSTAIRS", "WALKING_DOWNSTAIRS", "SITTING", "STANDING", "LAYING"
avg.freq.body.acc.jerk.mag.mean	Average (across subject and activity) of the mean of the magnitude of the Jerk signal of (i.e. derived in time from) the body linear acceleration. In the frequency domain (calculated by FFT); for all directions. format: 9-21 positions values: a (numeric) value between -1.0 and 1.0 inclusive (normalized value)
avg.freq.body.acc.jerk.mag.std	Average (across subject and activity) of the standard deviation of the magnitude of the Jerk signal of (i.e. derived in time from) the body linear acceleration. In the frequency domain (calculated by FFT); for all directions. format: 9-21 positions values: a (numeric) value between -1.0 and 1.0 inclusive (normalized value)
avg.freq.body.acc.jerk.mean.X	Average (across subject and activity) of the mean of the Jerk signal of (i.e. derived in time from) the body linear acceleration. In the frequency domain (calculated by FFT); for the X direction. format: 9-21 positions values: a (numeric) value between -1.0 and 1.0 inclusive (normalized value)
avg.freq.body.acc.jerk.mean.Y	Average (across subject and activity) of the mean of the Jerk signal of (i.e. derived in time from) the body linear acceleration. In the frequency domain (calculated by FFT); for the Y direction. format: 9-21 positions values: a (numeric) value between -1.0 and 1.0 inclusive (normalized value)
avg.freq.body.acc.jerk.mean.Z	Average (across subject and activity) of the mean of the Jerk signal of (i.e. derived in time from) the body linear acceleration. In the frequency domain (calculated by FFT); for the Z direction. format: 9-21 positions values: a (numeric) value between -1.0 and 1.0 inclusive (normalized value)
avg.freq.body.acc.jerk.std.X	Average (across subject and activity) of the standard deviation of the Jerk signal of (i.e. derived in time from) the body linear acceleration. In the frequency domain (calculated by FFT); for the X direction. format: 9-21 positions values: a (numeric) value between -1.0 and 1.0 inclusive (normalized value)

avg.freq.body.acc.jerk.std.Y

Average (across subject and activity) of the standard deviation of the Jerk signal of (i.e. derived in time from) the body linear acceleration. In the frequency domain (calculated by FFT); for the Y direction.

format: 9-21 positions

values: a (numeric) value between -1.0 and 1.0 inclusive (normalized value)

avg.freq.body.acc.jerk.std.Z

Average (across subject and activity) of the standard deviation of the Jerk signal of (i.e. derived in time from) the body linear acceleration. In the frequency domain (calculated by FFT); for the Z direction.

format: 9-21 positions

values: a (numeric) value between -1.0 and 1.0 inclusive (normalized value)

avg.freq.body.acc.mag.mean

Average (across subject and activity) of the mean of the magnitude of the body linear acceleration. In the frequency domain (calculated by FFT); for all directions.

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avg.freq.body.acc.mag.std

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avg.freq.body.acc.std.Z

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values: a (numeric) value between -1.0 and 1.0 inclusive (normalized value)

avg.freq.body.gyro.jerk.mag.mean

Average (across subject and activity) of the mean of the magnitude of the Jerk signal of (i.e. derived in time from) the body angular velocity. In the frequency domain (calculated by FFT); for all directions.

format: 9-21 positions

values: a (numeric) value between -1.0 and 1.0 inclusive (normalized value)

avg.freq.body.gyro.jerk.mag.std

Average (across subject and activity) of the standard deviation of the magnitude of the Jerk signal of (i.e. derived in time from) the body angular velocity. In the frequency domain (calculated by FFT); for all directions.

format: 9-21 positions

values: a (numeric) value between -1.0 and 1.0 inclusive (normalized value)

avg.freq.body.gyro.mag.mean

Average (across subject and activity) of the mean of the magnitude of the body angular velocity. In the frequency domain (calculated by FFT); for all directions.

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avg.time.body.acc.jerk.mag.mean

Average (across subject and activity) of the mean of the magnitude of the Jerk signal of (i.e. derived in time from) the body linear acceleration. In the time domain; for all directions.

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Average (across subject and activity) of the mean of the magnitude of the body linear acceleration. In the time domain; for all directions.

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format: 9-21 positions

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avg.time.body.gyro.jerk.mag.mean

Average (across subject and activity) of the mean of the magnitude of the Jerk signal of (i.e. derived in time from) the body angular velocity. In the time domain; for all directions.

format: 9-21 positions

values: a (numeric) value between -1.0 and 1.0 inclusive (normalized value)

avg.time.body.gyro.jerk.mag.std

Average (across subject and activity) of the standard deviation of the magnitude of the Jerk signal of (i.e. derived in time from) the body angular velocity. In the time domain; for all directions.

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avg.time.body.gyro.mag.mean

Average (across subject and activity) of the mean of the magnitude of the body angular velocity. In the time domain; for all directions.

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avg.time.body.gyro.std.Z

Average (across subject and activity) of the standard deviation of the body angular velocity. In the time domain; for the Z direction.

format: 9-21 positions

values: a (numeric) value between -1.0 and 1.0 inclusive (normalized value)

avg.time.gravity.acc.mag.mean

Average (across subject and activity) of the mean of the magnitude of the gravity acceleration. In the time domain; for all directions.

format: 9-21 positions

values: a (numeric) value between -1.0 and 1.0 inclusive (normalized value)

avg.time.gravity.acc.mag.std

Average (across subject and activity) of the standard deviation of the magnitude of the gravity acceleration. In the time domain; for all directions.

format: 9-21 positions

values: a (numeric) value between -1.0 and 1.0 inclusive (normalized value)

avg.time.gravity.acc.mean.X

Average (across subject and activity) of the mean of the gravity acceleration. In the time domain; for the X direction.

format: 9-21 positions

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