Code Book for Course Project of Coursera Course „Getting and Cleaning Data“

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 [1] "subject"
     Identifier (1-30) of subject (person) wearing the smartphone
     which took the measurements

 [2] "activity"
     Labeled activity (walking, walking upstairs, walking
downstairs, sitting, standing, laying)

 [3] "time.domain.body.acceleration.mean.x"
 [4] "time.domain.body.acceleration.mean.y"
 [5] "time.domain.body.acceleration.mean.z"
Body acceleration measurements in time domain, x/y/z dimensions

 [6] "time.domain.body.acceleration.standard.deviation.x"
 [7] "time.domain.body.acceleration.standard.deviation.y"
 [8] "time.domain.body.acceleration.standard.deviation.z"
Standard deviations for measurements [3]-[5], respectively

 [9] "time.domain.gravity.acceleration.mean.x"
[10] "time.domain.gravity.acceleration.mean.y"
[11] "time.domain.gravity.acceleration.mean.z"
Measurements of gravitational acceleration in time domain, x/y/z
dimensions

[12] "time.domain.gravity.acceleration.standard.deviation.x"
[13] "time.domain.gravity.acceleration.standard.deviation.y"
[14] "time.domain.gravity.acceleration.standard.deviation.z"
Standard deviations for measurements [9]-[11], respectively

[15] "time.domain.body.acceleration.jerk.mean.x"
[16] "time.domain.body.acceleration.jerk.mean.y"
[17] "time.domain.body.acceleration.jerk.mean.z"
Measurements of body angular acceleration in time domain, x/y/z
dimensions

[18] "time.domain.body.acceleration.jerk.standard.deviation.x"
[19] "time.domain.body.acceleration.jerk.standard.deviation.y"
[20] "time.domain.body.acceleration.jerk.standard.deviation.z"
Standard deviations for measurements [18]-[20], respectively

[21] "time.domain.body.gyroscope.mean.x"
[22] "time.domain.body.gyroscope.mean.y"
[23] "time.domain.body.gyroscope.mean.z"
```

Gyroscope measurements of body movement in time domain, x/y/z dimensions

[24] "time.domain.body.gyroscope.standard.deviation.x"
[25] "time.domain.body.gyroscope.standard.deviation.y"
[26] "time.domain.body.gyroscope.standard.deviation.z"
Standard deviations for measurements [21]-[23], respectively

[27] "time.domain.body.gyroscope.jerk.mean.x"
[28] "time.domain.body.gyroscope.jerk.mean.y"
[29] "time.domain.body.gyroscope.jerk.mean.z"
Measurements of body angular motion by gyroscope in time domain, x/y/z dimensions

[30] "time.domain.body.gyroscope.jerk.standard.deviation.x"
[31] "time.domain.body.gyroscope.jerk.standard.deviation.y"
[32] "time.domain.body.gyroscope.jerk.standard.deviation.z"
Standard deviations for measurements [27]-[29], respectively

[33] "time.domain.body.acceleration.magnitude.mean"
[34] "time.domain.body.acceleration.magnitude.standard.deviation"
mean. value and standard deviation of body acceleration measurement in time domain

[35] "time.domain.gravity.acceleration.magnitude.mean"
[36]
"time.domain.gravity.acceleration.magnitude.standard.deviation"
mean. value and standard deviation of gravity acceleration measurement in time domain

[37] "time.domain.body.acceleration.jerk.magnitude.mean."
[38]
"time.domain.body.acceleration.jerk.magnitude.standard.deviation."
Mean value and standard deviation of body angular acceleration measurement in time domain

[39] "time.domain.body.Gyroscopemagnitude.mean."
[40] "time.domain.body.Gyroscopemagnitude.standard.deviation."
mean. value and standard deviation of body gyroscope measurement in time domain

[41] "time.domain.body.Gyroscopejerk.magnitude.mean"
[42] "time.domain.body.Gyroscopejerk.magnitude.standard.deviation"
Mean value and standard deviation of body angular motion as measured by gyroscope in time domain

[43] "frequency.domain.body.acceleration.mean.x"
[44] "frequency.domain.body.acceleration.mean.y"

[45] "frequency.domain.body.acceleration.mean.z"
Body acceleration measurements in frequency domain, x/y/z dimensions

[46] "frequency.domain.body.acceleration.standard.deviation.x"
[47] "frequency.domain.body.acceleration.standard.deviation.y"
[48] "frequency.domain.body.acceleration.standard.deviation.z"
Standard deviations for measurements [43]-[45], respectively

[49] "frequency.domain.body.acceleration.mean.frequency.x"
[50] "frequency.domain.body.acceleration.mean.frequency.y"
[51] "frequency.domain.body.acceleration.mean.frequency.z"
Measurement of frequency of body acceleration in frequency domain, x/y/z dimensions

[52] "frequency.domain.body.acceleration.jerk.mean.x"
[53] "frequency.domain.body.acceleration.jerk.mean.y"
[54] "frequency.domain.body.acceleration.jerk.mean.z"
Standard deviations for measurements [49]-[51], respectively

[55]
"frequency.domain.body.acceleration.jerk.standard.deviation.x"
[56]
"frequency.domain.body.acceleration.jerk.standard.deviation.y"
[57]
"frequency.domain.body.acceleration.jerk.standard.deviation.z"
Body angular acceleration measurements in frequency domain, x/y/z dimensions

[58] "frequency.domain.body.acceleration.jerk.mean.frequency.x"
[59] "frequency.domain.body.acceleration.jerk.mean.frequency.y"
[60] "frequency.domain.body.acceleration.jerk.mean.frequency.z"
Standard deviations for measurements [55]-[58], respectively

[61] "frequency.domain.body.gyroscope.mean.x"
[62] "frequency.domain.body.gyroscope.mean.y"
[63] "frequency.domain.body.gyroscope.mean.z"
Gyroscope measurements for body motion in frequency domain, x/y/z dimensions

[64] "frequency.domain.body.gyroscope.standard.deviation.x"
[65] "frequency.domain.body.gyroscope.standard.deviation.y"
[66] "frequency.domain.body.gyroscope.standard.deviation.z"
Standard deviations for measurements [61]-[63], respectively

[67] "frequency.domain.body.gyroscope.mean.frequency.x"
[68] "frequency.domain.body.gyroscope.mean.frequency.y"
[69] "frequency.domain.body.gyroscope.mean.frequency.z"

Mean frequency in x/y/z dimensions for body gyroscope measurement

[70] "frequency.domain.body.acceleration.mean"
[71]
"frequency.domain.body.acceleration.magnitude.standard.deviation"
Mean and standard deviation for body acceleration in frequency
domain

[72] "frequency.domain.body.acceleration.magnitude.mean.frequency"
[73] "frequency.domain.body.body.acceleration.jerk.magnitude.mean"
[74]
"frequency.domain.body.body.acceleration.jerk.magnitude.standard.d
eviation"
[75]
"frequency.domain.body.body.acceleration.jerk.magnitude.mean.Frequ
ency"
[76] "frequency.domain.body.body.gyroscope.magnitude.mean"
[77]
"frequency.domain.body.body.gyroscope.magnitude.standard.deviation
"
[78]
"frequency.domain.body.body.gyroscope.magnitude.mean.frequency"
Magnitude, standard deviation and mean frequency for body/body
gyroscope measurements in frequency domain

[79] "frequency.domain.body.body.gyroscope.jerk.magnitude.mean"
[80]
"frequency.domain.body.body.gyroscope.magnitude.standard.deviation
"
[81]
"frequency.domain.body.body.gyroscope.magnitude.mean.frequency"

[82] "angle.of.time.domain.body.acceleration.mean.gravity"
[83]
"angle.of.time.domain.body.acceleration.jerk.mean.vs.gravity.mean"
[84] "angle.of.time.domain.body.gyroscope.mean.vs.gravity.mean"
[85]
"angle.of.time.domain.body.gyroscope.jerk.mean.vs.gravity.mean"
Angles of accelerometer and gyroscop vs. gravity direction

[86] "angleOfxVsgravity.mean."
[87] "angleOfyVsgravity.mean."
[88] "angleOfzVsgravity.mean."
Angles for gravity direction vs. x/y/z direction as defined by
phone