DATA DICTIONARY – HUMAN ACTIVITY RECOGNITION USING SMARTPHONE DATASET

subject
: Subject Code
  : 01..30 .Integer value representing a subject/person

activity
: Activity performed by the Subject
  : Walking .subject walking
  : Walking_upstairs .subject walking upstairs
  : Walking_downstairs .subject walking downstairs
  : Sitting .subject sitting down
  : Standing .subject standing up
  : Laying .subject laying down

timebodyaccelerometermeanxaxis
: Accelerometer reading of body signals in x axis in time domain, Mean value
  : 1..-1 Real value of measurement for the person and activity

timebodyaccelerometermeanyaxis
: Accelerometer reading of body signals in y axis in time domain, Mean value
  : 1..-1 Real value of measurement for the person and activity

timebodyaccelerometermeanzaxis
: Accelerometer reading of body signals in z axis in time domain, Mean value
  : 1..-1 Real value of measurement for the person and activity

timegravityaccelerometermeanxaxis
: Accelerometer reading of gravity signals in x axis in time domain, Mean value
  : 1..-1 Real value of measurement for the person and activity

timegravityaccelerometermeanyaxis
: Accelerometer reading of gravity signals in y axis in time domain, Mean value
  : 1..-1 Real value of measurement for the person and activity

timegravityaccelerometermeanzaxis
: Accelerometer reading of gravity signals in z axis in time domain, Mean value
  : 1..-1 Real value of measurement for the person and activity

timebodyaccelerometerjerkmeanxaxis
: Accelerometer reading of body jerk signals in x axis in time domain, Mean value
  : 1..-1 Real value of measurement for the person and activity

timebodyaccelerometerjerkmeanyaxis
: Accelerometer reading of body jerk signals in y axis in time domain, Mean value
  : 1..-1 Real value of measurement for the person and activity

timebodyaccelerometerjerkmeanzaxis
: Accelerometer reading of body jerk signals in z axis in time domain, Mean value
  : 1..-1 Real value of measurement for the person and activity

timebodygyroscopemeanxaxis
: Gyroscope reading of body signals in x axis in time domain, Mean value
  : 1..-1 Real value of measurement for the person and activity

timebodygyroscopemeanyaxis
Gyroscope reading of body signals in y axis in time domain, Mean value
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timebodygyroscopemeanzaxis
Gyroscope reading of body signals in z axis in time domain, Mean value
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timebodygyroscopejerkmeanxaxis
Gyroscope reading of body jerk signals in x axis in time domain, Mean value
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timebodyaccelerometermagnitudemean
Accelerometer reading of body Fast Fourier Transform applied signals in time domain, Mean value
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timebodygyroscopemagnitudemean
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timebodygyroscopejerkmagnitudemean
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frequencybodyaccelerometermeanxaxis
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frequencybodygyroscopejerkmagnitudemean
Gyroscope reading of body Fast Fourier Transform applied jerk signals in time domain, Mean value
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timebodyaccelerometerstandarddeviationxaxis
Accelerometer reading of body signals in x axis in time domain, Standard Deviation
1..-1 Real value of measurement for the person and activity

timebodyaccelerometerstandarddeviationyaxis
Accelerometer reading of body signals in y axis in time domain, Standard Deviation
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timebodyaccelerometerstandarddeviationzaxis
	Accelerometer reading of body signals in z axis in time domain,
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LICENSE

[1] Davide Anguita, Alessandro Ghio, Luca Oneto, Xavier Parra and Jorge L. Reyes-Ortiz. Human Activity Recognition on Smartphones using a Multiclass Hardware-friendly Support Vector Machine. International Workshop of Ambient Assisted Living (IWAAL 2012). Vitoria-Gasteiz, Spain. Dec 2012

NOTES

MEAN and STANDARD DEVIATION variables are normalized and
Bounded within [-1 , 1].

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