

Data Dictionary - Human Activity Recognition Using Smartphones

merged_data.csv

id

id of the current measurement

train

affiliation to test/train dataset

0 - test data

1 - train data

subject

subject number

activity

type of activity

mean

mean of the set

st.deviation

standart deviation of the set

mean.body.acc.x

mean of the body acceleration signal, x axis

units: 'g'

st.body.acc.x

standart deviation of the body acceleration signal, x axis

units: 'g'

mean.body.acc.y

mean of the body acceleration signal, y axis

units: 'g'

st.body.acc.y

standart deviation of the body acceleration signal, y axis

units: 'g'

mean.body.acc.z

mean of the body acceleration signal, z axis

units: 'g'

st.body.acc.z

standart deviation of the body acceleration signal, z axis

units: 'g'

mean.body.gyro.x

mean of the angular velocity vector measured by the gyroscope, x axis

units: 'radians/second'

st.body.gyro.x

standart deviation of the angular velocity vector measured by the gyroscope, x axis

units: 'radians/second'

mean.body.gyro.y

mean of the angular velocity vector measured by the gyroscope, y axis

units: 'radians/second'

st.body.gyro.y

standart deviation of the angular velocity vector measured by the gyroscope, y axis

units: 'radians/second'

mean.body.gyro.z

mean of the angular velocity vector measured by the gyroscope, z axis

units: 'radians/second'

st.body.gyro.z

standart deviation of the angular velocity vector measured by the gyroscope, z axis

units: 'radians/second'

mean.total.acc.x

mean of the acceleration signal from the smartphone accelerometer, x axis

units: 'g'

st.body.total.x

standart deviation of the acceleration signal from the smartphone accelerometer, x axis

units: 'g'

mean.total.acc.y

mean of the acceleration signal from the smartphone accelerometer, y axis

units: 'g'

st.total.acc.y

standart deviation of the acceleration signal from the smartphone accelerometer, y axis

units: 'g'

mean.total.acc.z

mean of the acceleration signal from the smartphone accelerometer, z axis

units: 'g'

st.total.acc.z

standart deviation of the acceleration signal from the smartphone
accelerometer, z axis

units: 'g'

averaged_data.csv

same dataset as merged_data but grouped by subject and activities

train

affiliation to test/train dataset

0 - test data

1 - train data

subject

subject number

activity

type of activity

mean

mean of the set

st.deviation

standart deviation of the set

mean.body.acc.x

mean of the body acceleration signal, x axis

units: 'g'

st.body.acc.x

standart deviation of the body acceleration signal, x axis

units: 'g'

mean.body.acc.y

mean of the body acceleration signal, y axis

units: 'g'

st.body.acc.y

standart deviation of the body acceleration signal, y axis

units: 'g'

mean.body.acc.z

mean of the body acceleration signal, z axis

units: 'g'

st.body.acc.z

standart deviation of the body acceleration signal, z axis

units: 'g'

mean.body.gyro.x

mean of the angular velocity vector measured by the gyroscope, x axis

units: 'radians/second'

st.body.gyro.x

standart deviation of the angular velocity vector measured by the gyroscope, x axis

units: 'radians/second'

mean.body.gyro.y

mean of the angular velocity vector measured by the gyroscope, y axis

units: 'radians/second'

st.body.gyro.y

standart deviation of the angular velocity vector measured by the gyroscope, y axis

units: 'radians/second'

mean.body.gyro.z

mean of the angular velocity vector measured by the gyroscope, z axis

units: 'radians/second'

st.body.gyro.z

standart deviation of the angular velocity vector measured by the gyroscope, z axis

units: 'radians/second'

mean.total.acc.x

mean of the acceleration signal from the smartphone
accelerometer, x axis
units: 'g'

st.body.total.x

standart deviation of the acceleration signal from the smartphone
accelerometer, x axis
units: 'g'

mean.total.acc.y

mean of the acceleration signal from the smartphone
accelerometer, y axis
units: 'g'

st.total.acc.y

standart deviation of the acceleration signal from the smartphone
accelerometer, y axis
units: 'g'

mean.total.acc.z

mean of the acceleration signal from the smartphone
accelerometer, z axis
units: 'g'

st.total.acc.z

standart deviation of the acceleration signal from the smartphone
accelerometer, z axis
units: 'g'