tidy.txt c

Column number =>	1	2	3	4	5	6	7	8	9	10	11	12
Variable or Column Name =>	SubjectID	ActivityID	BodyAcc-mean-X	BodyAcc-mean-Y	BodyAcc-mean-Z	BodyAcc-std-X	BodyAcc-std-Y	BodyAcc-std-Z	GravityAcc-mean-X	GravityAcc-mean-Y	GravityAcc-mean-Z	GravityAcc-std-X

filename: tidy
format: text comma delimited, 264 kb
See run_Analysis.R program for ETL details.
Dataset documentation available at:http://archive.ics.
Data source:https://d396qusza40orc.cloudfront.net/ge
Date created: 11/18/2014
Study Design

The Human Activity Recognition using smar
activities of daily living (adl), e.g., walking u
Linear acceration data of these adls were c
samsumg galaxy SII smartphone. 3 axial ang
embedded gyroscope of the samsung phon
These sensor signals (triaxial and bodily ac
and gyroscope were refined by apply noise
to refine and sharpen the signal, allowing g
These signals were further calculated into v
The dataset is ramdomly partitioned into tr

contents: A summary (mean) of select activity measur
mean of the variable for each subject's acti
measured by samsung II smartphone readir

The summary observations (means of selec
legacy (unzipped) folders UCI HAR Dataset\
Accelerometer data are in standard gravity
Angular velocity data (from the gyroscope)
SubjectID and ActivityID are integers while
see codebook tab for descriptions of variab

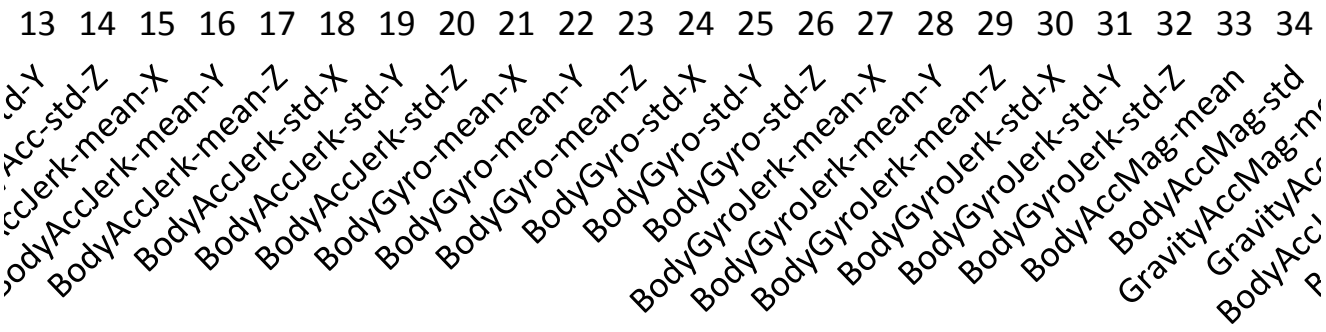
citation/source information:

Davide Anguita, Alessandro Ghio, Luca One
Human Activity Recognition on Smartphone
International Workshop of Ambient Assiste

contact information:

Jorge L. Reyes-Ortiz, Davide Anguita, Al
Smartlab - Non Linear Complex Systems
DITEN - Università degli Studi di Genova
Via Opera Pia 11A, I-16145, Genoa, Italy
activityrecognition@smartlab.ws
www.smartlab.ws

dataset file layou



uci.edu/ml/datasets/Human+Activity+Recognition+Using+Smartphones
etdata%2Fprojectfiles%2FUCI%20HAR%20Dataset.zip

tphones database describes 30 subjects aged 19 - 48 performing
pstairs, walking downstairs, sitting, standing, laying.
ollected by the embedded accelerometer on each subjects
gular velocity data of these ads were collected by the
e.
celeration and triaxial angular velocity) from the acceleratometer
filters
ravitational and body motion components to be separated.
various features (total of 561) from their associated time and frequency domains.
aining (70% of all subjects) and test(30% of all subjects) partitions.

es across 128 observations from 30 subjects over 5 activities.
ivity (walking, .walking upstairs, walking downstairs, sitting standing, laying)
ngs from acceleratometer and gyroscope. All values are numeric.

t activity variable) are derived from original raw data contained in
(test or train)\Inertial Signals
units. Body acceleration signals are calculated by subtracting gravity from total acceler
are in radians/second units.
all other variables are numbers with a decimal point, e.g., -0.2853077700. No missing v
le or column headings

to, Xavier Parra and Jorge L. Reyes-Ortiz.
es using a Multiclass Hardware-Friendly Support Vector Machine.
d Living (IWAAL 2012). Vitoria-Gasteiz, Spain. Dec 2012

essandro Ghio, Luca Oneto.
s Laboratory
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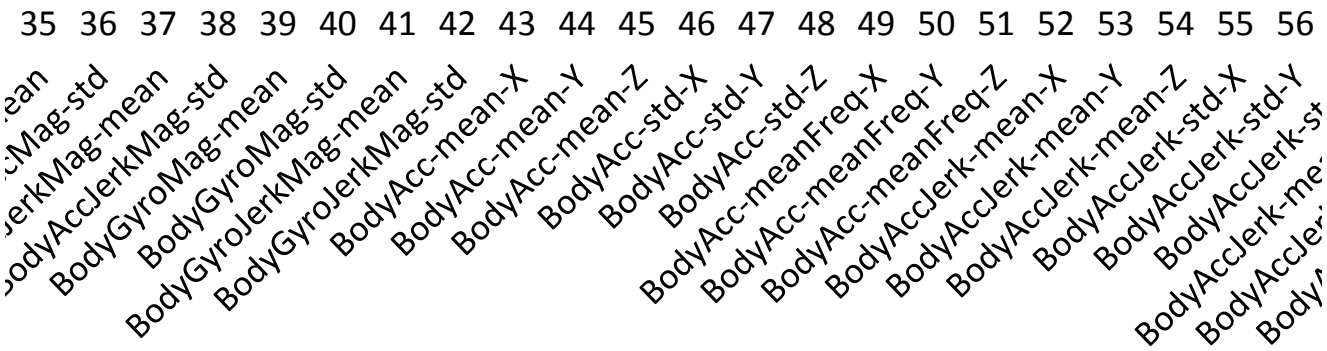
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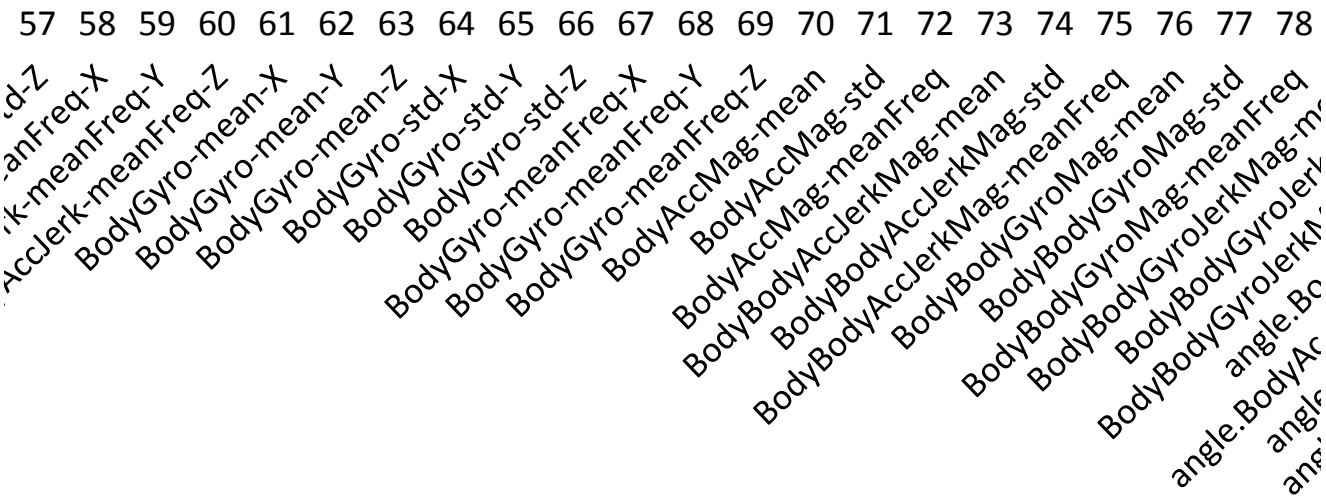
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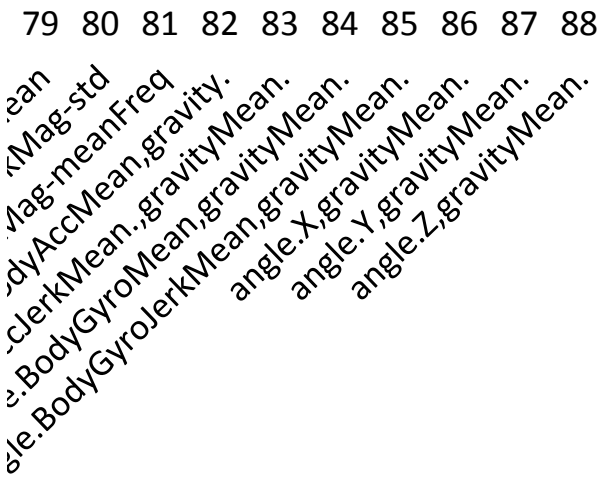
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