

Getting and Cleaning Data: Course Project

About the data

This repository contains a cleaned subset of the data from a Samsung accelerometer study. Information about the study can be found here: <http://archive.ics.uci.edu/ml/datasets/Human+Activity+Recognition+Using+Smartphones>. The complete data set can be downloaded here: <http://archive.ics.uci.edu/ml/machine-learning-databases/00240/>.

From the data's README file:

The experiments have been carried out with a group of 30 volunteers within an age bracket of 19-48 years. Each person performed six activities (WALKING, WALKING_UPSTAIRS, WALKING_DOWNSTAIRS, SITTING, STANDING, LAYING) wearing a smartphone (Samsung Galaxy S II) on the waist. Using its embedded accelerometer and gyroscope, we captured 3-axial linear acceleration and 3-axial angular velocity at a constant rate of 50Hz. The experiments have been video-recorded to label the data manually. The obtained dataset has been randomly partitioned into two sets, where 70% of the volunteers was selected for generating the training data and 30% the test data.

If you use this data set, please cite the original source:

Davide Anguita, Alessandro Ghio, Luca Oneto, Xavier Parra and Jorge L. Reyes-Ortiz. A Public Domain Dataset for Human Activity Recognition Using Smartphones. 21th European Symposium on Artificial Neural Networks, Computational Intelligence and Machine Learning, ESANN 2013. Bruges, Belgium 24-26 April 2013.