Cookbook - Smartphone Human Activity Recognition

Submitted for Coursera Getting and Cleaning Data Project

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**Data Set Citations:**

Lichman, M. (2013). UCI Machine Learning Repository [http://archive.ics.uci.edu/ml]. Irvine, CA: University of California, School of Information and Computer Science.

**BiBTeX citation:**

@misc{Lichman:2013 ,

author = "M. Lichman",

year = "2013",

title = "{UCI} Machine Learning Repository",

url = "http://archive.ics.uci.edu/ml",

institution = "University of California, Irvine, School of Information and Computer Sciences" }

**Design of Experiments:** <http://archive.ics.uci.edu/ml/datasets/Human+Activity+Recognition+Using+Smartphones>

**Explanation of Variable Measurements:**

Movement: gravity of earth -> 9.80665 m/seg2 (Gn)

1 walking

2 walking upstairs

3 walking downstairs

Inertial activity (filtered): Gyroscope Units (rad/seg)

4 sitting

5 standing

6 laying