
Codebook

Human Activity Recognition Using Smartphones Dataset

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1 General Information

1.1 Test conditions

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
- SITTING
- STANDING
- LAYING

They all were 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.

1.2 Test conditions

2 Coding guidelines

3 Major Topic Codes