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# Codebook

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## **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 record**

# **2 Coding guidelines**

# **3 Major Topic Codes**