CLEANED ACCELEROMETER' S DATA

subject

A group of 30 volunteers within an age bracket of 19-48 years

1-30

groupset

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. test
2. train

activities

The activities subject performed when a smartphone (Samsung Galaxy S II) was wore on the waist

1. WALKING
2. WALKING_UPSTAIRS
3. WALKING_DOWNSTAIRS
4. SITTING
5. STANDING
6. LAYING

measurements

This database come from the accelerometer(Acc) and gytoscope(Gyro) 3-axial raw signals. Prefix 't' represents time domain signals, prefix 'f' represents frequency domain signals. The acceleration signal can be separated into body and gravity acceleration signals, represented by 'Body' and 'Gravity' respectively. 'Jerk' indicates Jerk signals. 'Mag' indicates the magnitude of these three-dimensional signals were calculated using the Euclidean norm. Two variables were estimated from these signals are mean() and std(), represent mean value and standard deviation respectively.