STA 135 Project Outline

1/24/2014

1 MEMBERS OF OUR GROUP

Yilun Zhang   1st year Master of Biostatistics

Dan Zhang   1st year Master of Statistics

Yu Liu   1st year Master of Statistics

2 BRIEF DESCRIPTION

The data comes from an experiment aiming to human activity recognition using Samsung smartphones. 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 raw data can be accessed from http://archive.ics.uci.edu/ml/datasets/Human+Activity+Recognition+Using+Smartphones.