Codebook

# Tidy Data Set Description

## The variables in the tidy data

Tidy data contains 180 rows and 68 columns. Each row has averaged variables for each subject and each activity. ## Only all the variables estimated from mean and standard deviation in the tidy set were kept. -mean(): mean value  
-std(): standard deviation  
## The data were averaged based on subject and activity group. Subject column is numbered sequentially from 1 to 30. Activity column has 6 types as listed below: {r echo=FALSE} data.frame(Types = head(FinalData$activity)) The tidy data contains 6 rows (averaged based on activity) and 88 columns (86 variables and activity labels).

data.frame(Columns = names(FinalData))

## Variable units

Activity variable is factor type. Subject variable is integer type. All the other variables are numeric type.