Codebook

The source datasets are

X\_test and X\_train. These two datasets contain data observations. Details appear in the column lists below. Each has 561 columns of observational data.

Y\_test and Y\_train. These files contain a single (numeric) value for each of the observations in the X datasets above. These values fall in the range 1:6, and provide a reference to the activity being monitored at the time the observation was made. With no other contextual details, I’ve assumed these values are ordered the same as the X datafile above; that is, the nth value in this file corresponds with the nth observation in the X data.

Subject\_test and Subject\_train. These files contain a single (numeric) value for each of the observations in the X datasets above. The number identifies which person the observation came from. With no other contextual details, I’ve assumed these values are ordered the same as the X data file above; that is, the nth value in this file corresponds with the nth observation in the X data file above.

Combining the datasets: I combined these datasets into a single data frame called All\_Data

Columns 1 – 561 – observation data from the “X” files  
Column 562 – activity identifier from the “Y” files  
Column 563 – subject identifier from the “Subject” files

Rows 1:2947: rows from the X\_test file  
Rows 2948:10299: rows from the X\_train file