HAR Project Codebook

Note: this cheatsheet is very useful -
http://brain.cin.ucsf.edu/~craig/rstuff/Data_Wrangling_Cheatsheet.pdf

The codebook is as follows:

1. Merged the training and test sets along with associated activity and user information using '**dplyr**' library functions. Needed to use ***data.table*** conversions in the mutate function to avoid memory overloads on Macbook
2. Then used dplyr ***select*** functions to narrow the table to only properties that had 'mean' or 'std' in their name
3. Converted activity numbers to 'semantic' labels using the lables provided in y_train.txt
4. Re-introduced semantic labels into the 'activity' column
5. For computing averages based on a composite index of ('user,'activity'), I applied the dplyr '***summarise_each*** function on the narrow table after grouping it by ('user','activity').