**Run\_analysis.r**

This document will summarize what the code does.

Lines 2-4: sources in packages that will be used in the code.

Lines 6-8: reads, locally, from 2 data sources, then, combines them

Lines 10-33: reads, locally, from 2 data sources, then, combines them. Changes the numerical symbol given to the activity into the actual name of the activity.

Lines 36-39: reads, locally, from 2 data sources, then, combines them. Changes the name of this column.

Lines 41-44: reads, locally, from 1 data source. This data source is the 561 measurement names. The code adds this information to the dataset.

Lines 45-46: Filters the measurement names such that only measurement names that have the words “mean” or “std” is added into the combined dataset.

Lines 47-48: Combines the 3 datasets into one and writes the dataset into a local file.

Lines 50-55: Restructures the combined dataset so that averages can be found for each subject and each activity. Then, writes this dataset into a local file.