

The **phone_accel.mat** file contains sample accelerometer data collected from an Android phone.

The 5 gesture classes performed were:

- 1) rest
- 2) stand
- 3) walk
- 4) run
- 5) dance (kinda)

Each movement was performed for about 1 minute and performed in sequence with no rest in between.

Summary of the Matlab variables:

- 1) 'accel' -> accelerometer data collected over 5 minutes
- 2) 'labels' -> class labels
- 3) 'time' -> timestamp (data was from the 1st and last minute because the subject was moving around to start/stop timers, etc...)
- 4) 'accel_Extracted' -> 30s of accelerometer data taken from the center of each recorded gesture (no transitional movements) and concatenated in a matrix
- 5) 'labels_Extracted' -> labels for the extracted accel data

Data was sample at the default 1 sample/ 0.019s (~52.63Hz).