Sample files:

xSmoothingAnalysis.py

which calls LoadArray() defined in MyFunctions.py

Pseudocode:

chooseFilename

loadAccelArray

user input ( specify units mm): RDx, Rdy

display ax vs t, ay vs t

user input: t\_begin, t\_end

display: average value for ax, ay

later step: calculate r ; display r

File-based user input:

Test1.exp:

Filename1, Rdx, Rdy

Filename2, Rdx, Rdy

Filename 3, Rdx, Rdy