fprintf('Values after filtering are \n');

BPM\_L=50;

BPM\_H=60;

FrameRate=30;

FILTER\_STABILIZATION\_TIME = 1;

[b, a] = butter(2, [((BPM\_L / 60) / FrameRate \* 2), ((BPM\_H/ 60) / FrameRate \* 2)]);