a = load('Subject1\_test.data');

figure(1);

ax(1) = subplot(4,1,1);

plot(a(:,1));

ax(2) =subplot(4,1,2);

plot (a(:,2));

ax(3) = subplot(4,1,3);

plot(a(:,3));

ax(4) = subplot(4,1,4);

plot(a(:,4));

linkaxes(ax,'x');

figure(2);

[YUPPER1,YLOWER] = envelope (a(:,3), 1,'peak');

[YUPPER2,YLOWER] = envelope (a(:,4), 1,'peak');

bx(1) = subplot(2,1,1);

plot(YUPPER1);

bx(2) = subplot(2,1,2);

plot (YUPPER2);

linkaxes (bx, 'x');

//sumdata1 = sum(YUPPER1,[10000:20000]);

//avg1 = sumdata1 / 1000