t = linspace(0, 1, 500); % Time Vector

EEG = rand(10, 500)\*0.005; % Simulate EEG (mV)

ofst = [1:size(EEG,1)]\*0.005 + 0.001; % ‘Offset’ Vector

EEGp = bsxfun(@plus, EEG', ofst)'; % Add ‘Offset’ To Each Row

figure(1)

plot(t, EEGp) % Plot EEG

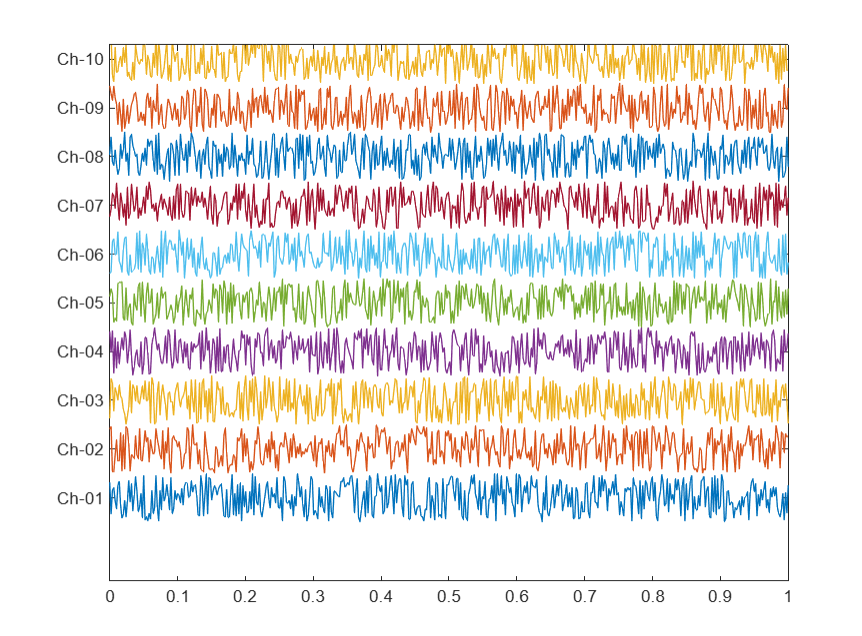
axis([xlim 0 0.055]) % Set Axis Limits

ChC = regexp(sprintf('Ch-%02d ', [1:size(EEG,1)]), ' ', 'split'); % Y-Tick Labels

yt = ofst+0.0025; % Y-Yick Positions

set(gca, 'YTick',yt, 'YTickLabel',ChC(1:end-1))

**OUTPUT:**

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