
Table of Contents

Data Preprocessing	1
Plot the FFT of each epoch	5
LDA Alignment using Trigger Info	16
CCA, FBCCA, and LDA Analysis	19

Data Preprocessing

```
% Load session data
data1_session1 = load('subject_1_fvep_led_training_1.mat');

% Load class information from 'classInfo_4_5.m' file
class_labels = [
    1 0 0 0;
    0 1 0 0;
    0 0 1 0;
    0 0 0 1;
    1 0 0 0;
    0 1 0 0;
    0 0 1 0;
    0 0 0 1;
    1 0 0 0;
    0 1 0 0;
    0 0 1 0;
    0 0 0 1;
    1 0 0 0;
    0 1 0 0;
    0 0 1 0;
    0 0 0 1;
    1 0 0 0;
    0 1 0 0;
    0 0 1 0;
    0 0 0 1;
    1 0 0 0;
    0 1 0 0;
    0 0 1 0;
    0 0 0 1;
    1 0 0 0;
    0 1 0 0;
    0 0 1 0;
    0 0 0 1;
];

% Convert one-hot encoded labels to frequencies
ground_truth_frequencies = [9, 10, 12, 15]; % Define this to match the order
of the one-hot encoding
ground_truth_frequencies = ground_truth_frequencies(class_labels * [1; 2; 3;
4]);

% Create a new variable for comparing with LDA
lda_ground_truth = zeros(length(ground_truth_frequencies), 1); % Initialize
LDA ground truth
for i = 1:length(ground_truth_frequencies)
    if ismember(ground_truth_frequencies(i), [9, 10])
        lda_ground_truth(i) = 0; % Low-frequency group (9/10 Hz)
    elseif ismember(ground_truth_frequencies(i), [12, 15])
        lda_ground_truth(i) = 3; % High-frequency group (12/15 Hz)
    end
end
```

```

end

% Extract parts
sample_time = data1_session1.y(1, 1001:end); % Time samples from the 1001st
sample onward
EEG_data = data1_session1.y(2:9, 1001:end); % EEG data from CH2-9, starting
from the 1001st sample
trigger_info = data1_session1.y(10, 1001:end); % Trigger information from
1001st sample
lda_output = data1_session1.y(11, 1001:end); % LDA classification output from
1001st sample

% Sampling rate
fs = 256; % Hz

% Plot raw EEG signals (all channels together) with trigger info
figure;
hold on;
plot(EEG_data', 'LineWidth', 1.2); % Plot all EEG channels together
plot(trigger_info, 'k', 'LineWidth', 1.5); % Overlay trigger info in black
title('Raw EEG Data with Trigger Info');
xlabel('Sample Index');
ylabel('Amplitude');
legend('EEG CH2', 'EEG CH3', 'EEG CH4', 'EEG CH5', 'EEG CH6', 'EEG CH7', 'EEG
CH8', 'EEG CH9', 'Trigger Info');
grid on;
hold off;

% Bandpass filter settings (5-30 Hz) to better capture SSVEP frequencies
[b_bandpass, a_bandpass] = butter(4, [5 30]/(fs/2), 'bandpass'); % 4th-order
Butterworth bandpass filter

% Notch filter settings at 50 Hz
[b_notch, a_notch] = butter(2, [49 51]/(fs/2), 'stop'); % 2nd-order
Butterworth notch filter

% Apply the filters to each EEG channel
EEG_data_filtered = zeros(size(EEG_data)); % Initialize matrix for filtered
data
for ch = 1:8
    % Apply bandpass filter
    EEG_data_bandpassed = filtfilt(b_bandpass, a_bandpass, EEG_data(ch, :));
    % Apply notch filter at 50 Hz
    EEG_data_filtered(ch, :) = filtfilt(b_notch, a_notch,
EEG_data_bandpassed); % Apply notch filter to the bandpassed data
end

% Plot filtered EEG signals (all channels together) with trigger info
figure;
hold on;
plot(EEG_data_filtered', 'LineWidth', 1.2); % Plot all EEG channels together
plot(trigger_info, 'k', 'LineWidth', 1.5); % Overlay trigger info in black
title('Filtered EEG Data with Trigger Info');
xlabel('Sample Index');

```

```
ylabel('Amplitude');
legend('EEG CH2', 'EEG CH3', 'EEG CH4', 'EEG CH5', 'EEG CH6', 'EEG CH7', 'EEG
CH8', 'EEG CH9', 'Trigger Info');
grid on;
hold off;

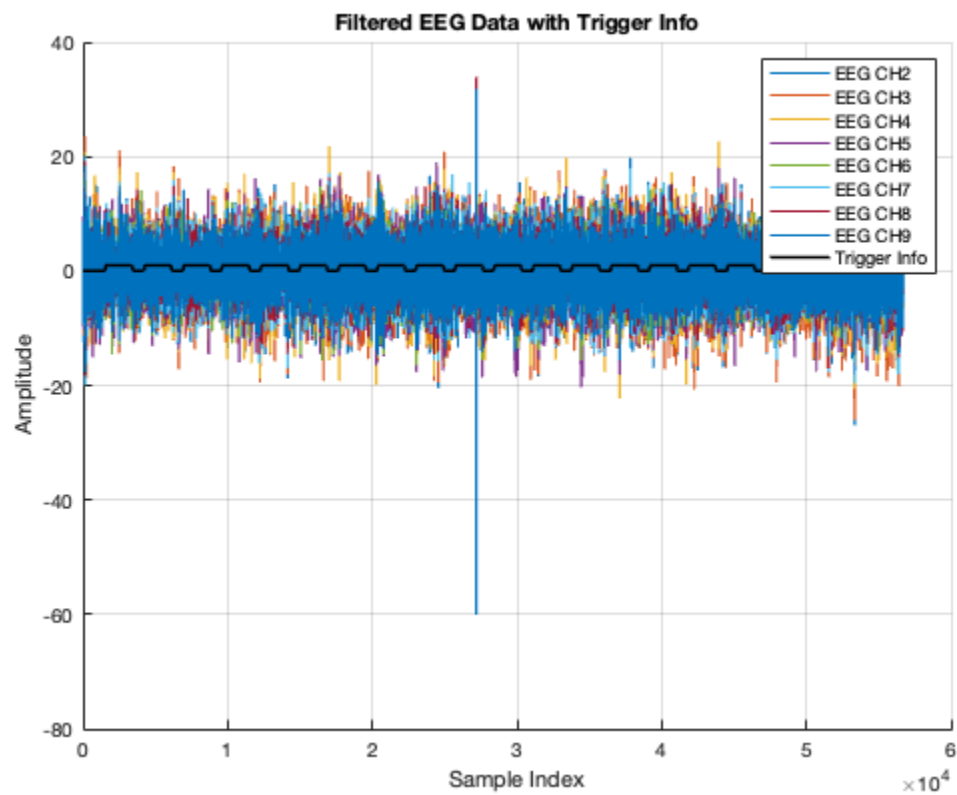
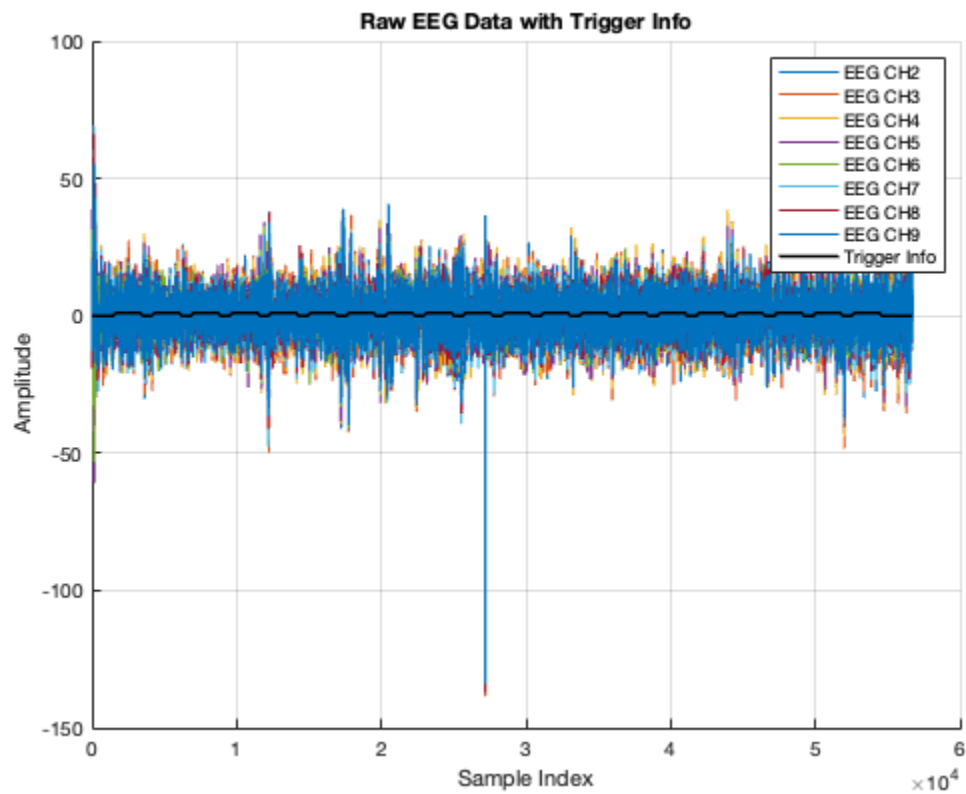
% Find the transitions in trigger_info from 0 to 1
onsets = find(diff(trigger_info) == 1) + 1; % +1 to get the first sample of
the onset

% Initialize epochs container
epochs = {};
window_size = fs * 3; % Example window of 3 seconds

% Extract the epochs around the stimulation onsets
for i = 1:length(onsets)
    if (onsets(i) + window_size - 1) <= length(sample_time)
        epoch = EEG_data_filtered(:, onsets(i):onsets(i) + window_size - 1);
        epochs{i} = epoch; % Store the epoch
    end
end

% Ensure that lda_output matches the number of epochs
num_epochs = length(epochs);
assert(num_epochs == length(lda_ground_truth))

% Define frequencies of interest and harmonics
frequencies_of_interest = [9, 10, 12, 15]; % Add these before the parfor
frequencies_of_interest_reversed = flip(frequencies_of_interest);
harmonics = 3; % Number of harmonics to consider
```



Plot the FFT of each epoch

```
% Parameters for FFT
nfft = window_size; % FFT points should match the length of the window
frequencies = (0:nfft-1) * (fs / nfft); % Frequency axis (in Hz)
max_plot_freq = 60; % Maximum frequency to plot (e.g., up to 60 Hz)

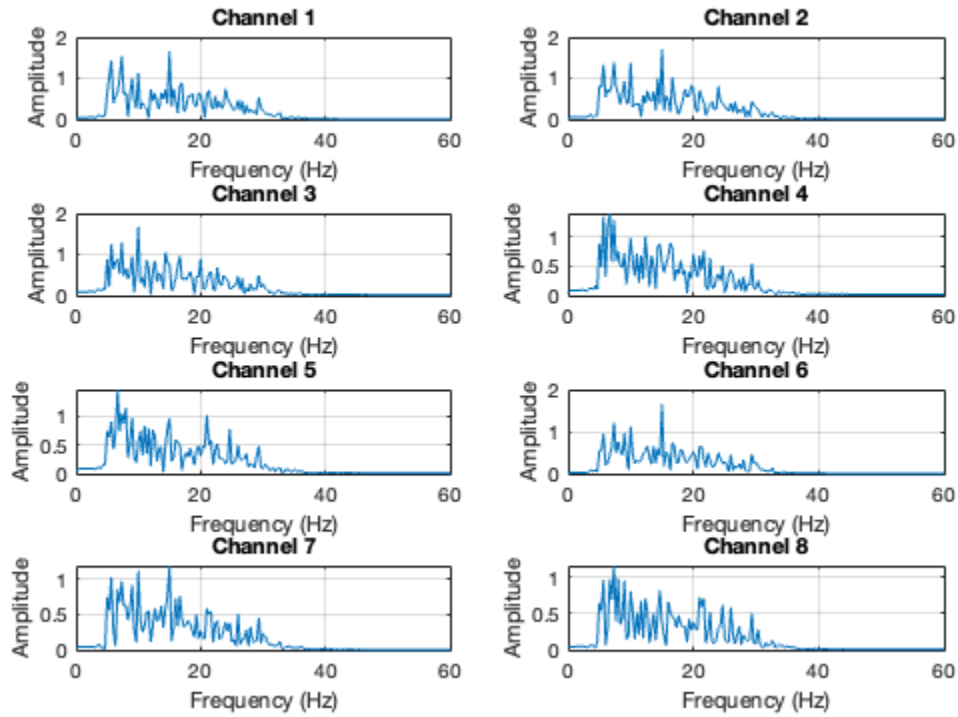
% Plot the FFT for each channel in each epoch
for i = 1:length(epochs)
    epoch = epochs{i};

    figure;
    sgtitle(['FFT for Epoch ', num2str(i)]); % Title for the plot

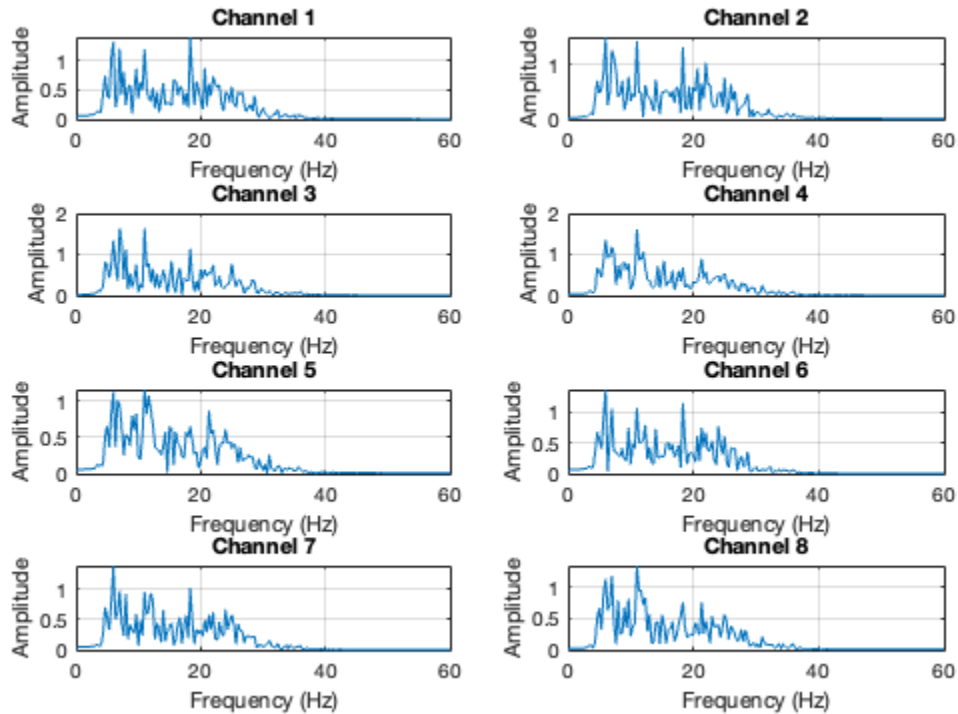
    for ch = 1:size(epoch, 1) % Loop over all EEG channels
        % Compute FFT
        epoch_fft = fft(epoch(ch, :), nfft);
        P2 = abs(epoch_fft / nfft); % Two-sided spectrum
        P1 = P2(1:nfft/2+1); % One-sided spectrum
        P1(2:end-1) = 2 * P1(2:end-1); % Double the energy for the positive
half

        % Plot
        subplot(4, 2, ch); % Assuming 8 channels, create a subplot for each
channel
        plot(frequencies(1:nfft/2+1), P1);
        title(['Channel ', num2str(ch)]);
        xlabel('Frequency (Hz)');
        ylabel('Amplitude');
        xlim([0 max_plot_freq]); % Limit the x-axis to the maximum plot
frequency
        grid on;
    end
end
```

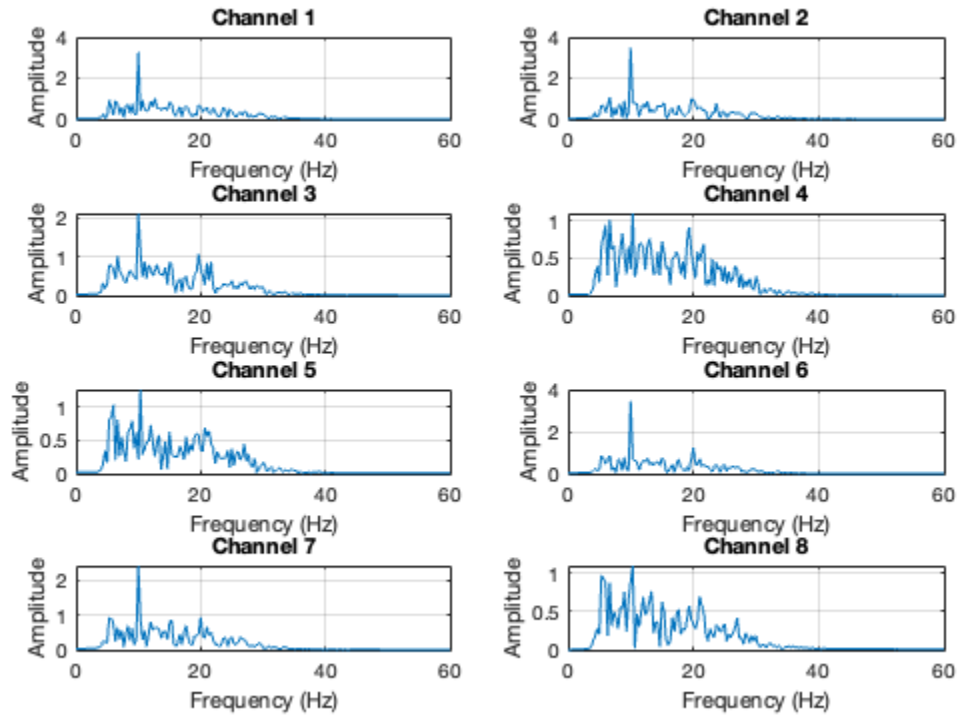
FFT for Epoch 1



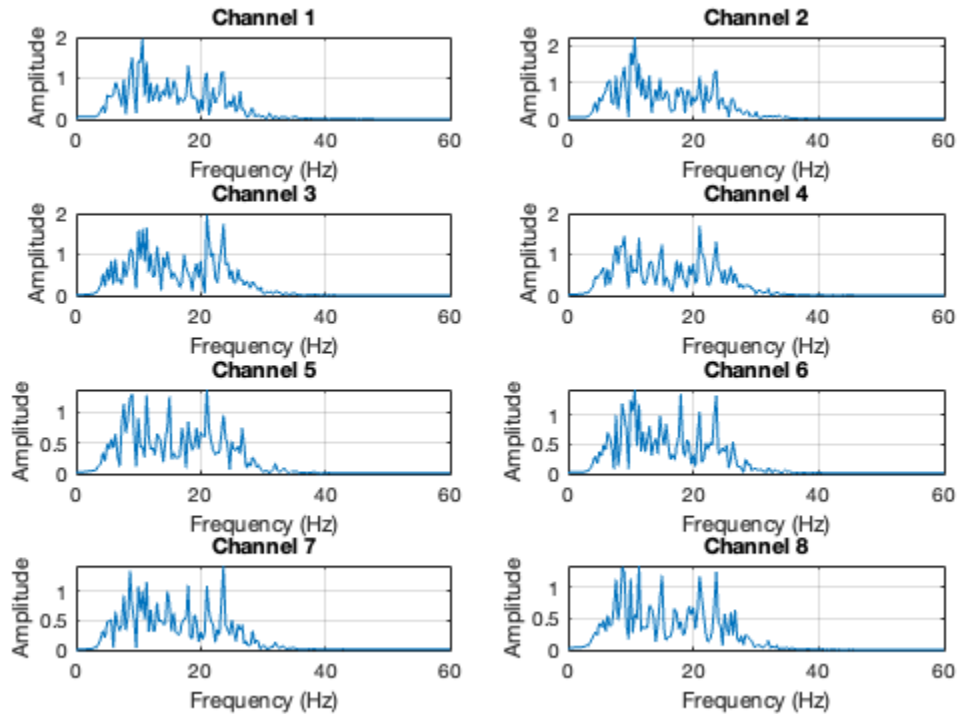
FFT for Epoch 2



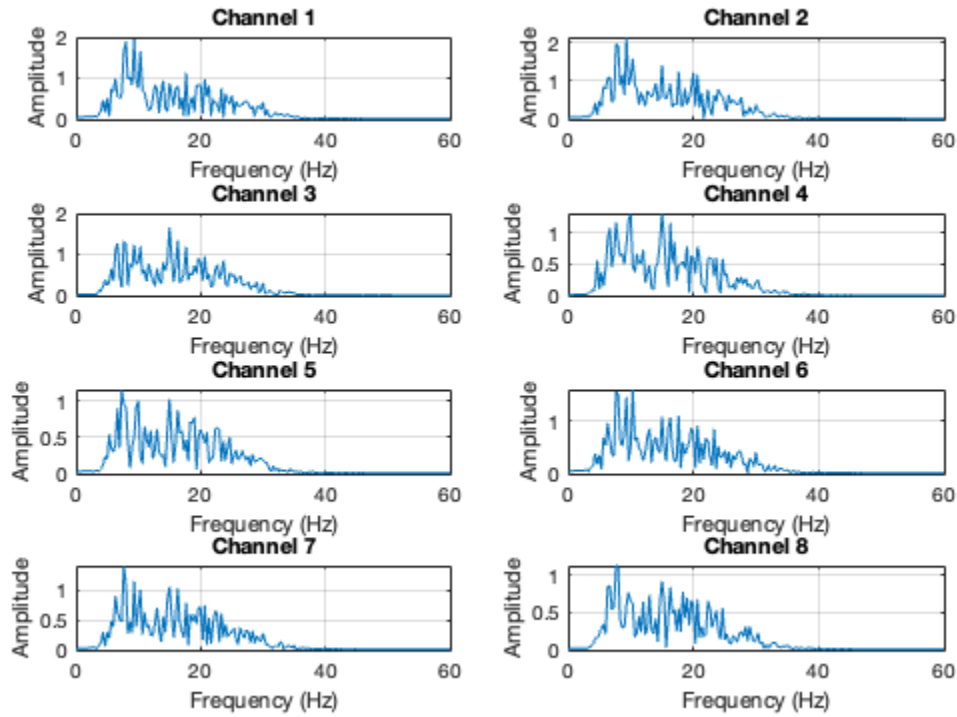
FFT for Epoch 3



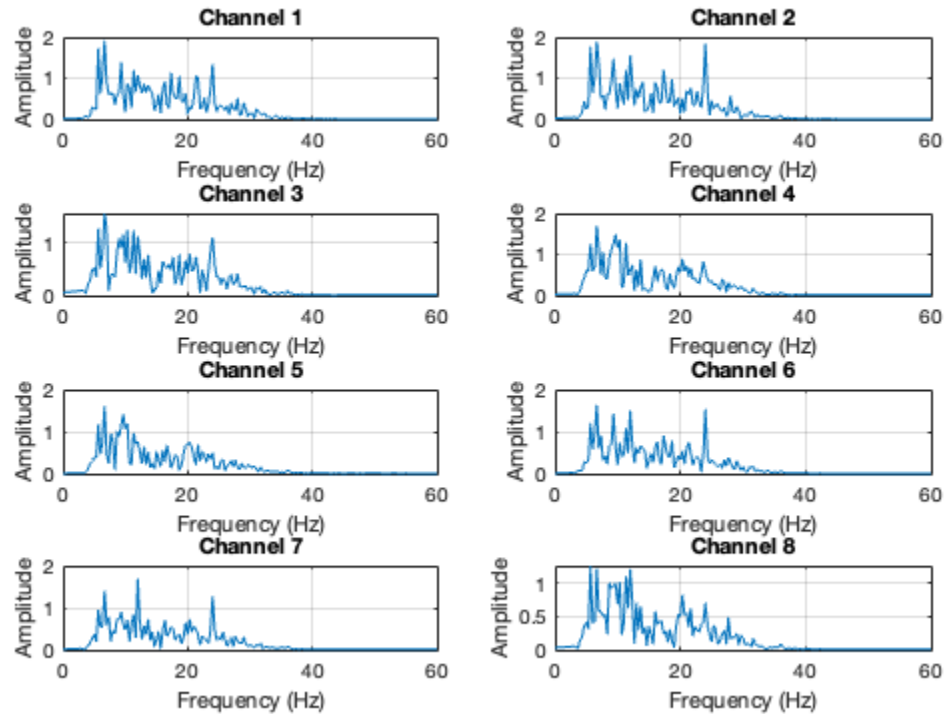
FFT for Epoch 4



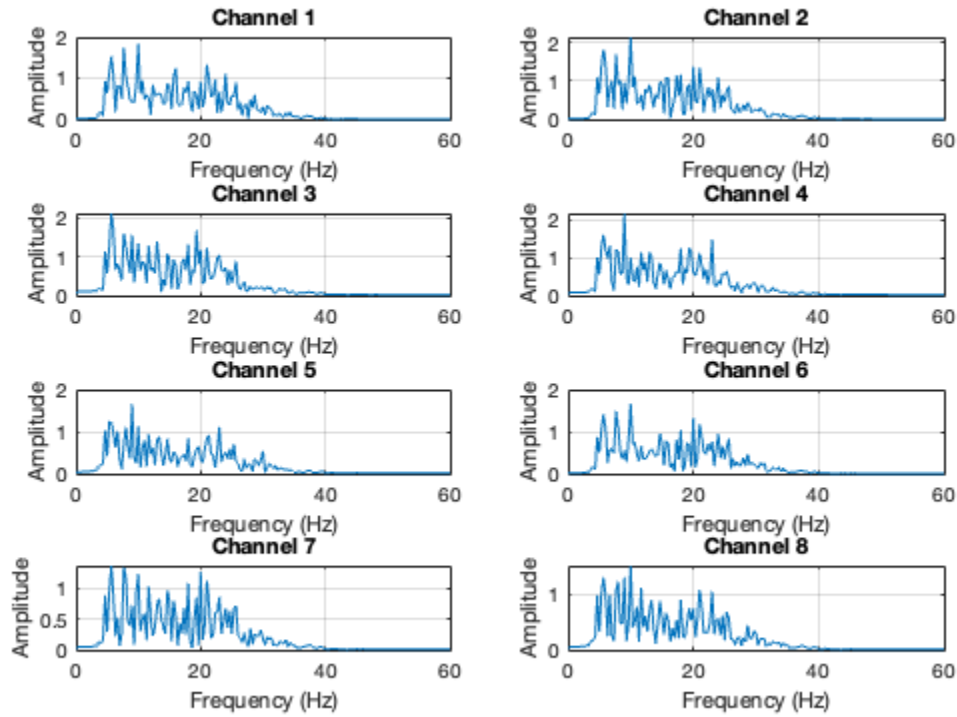
FFT for Epoch 5



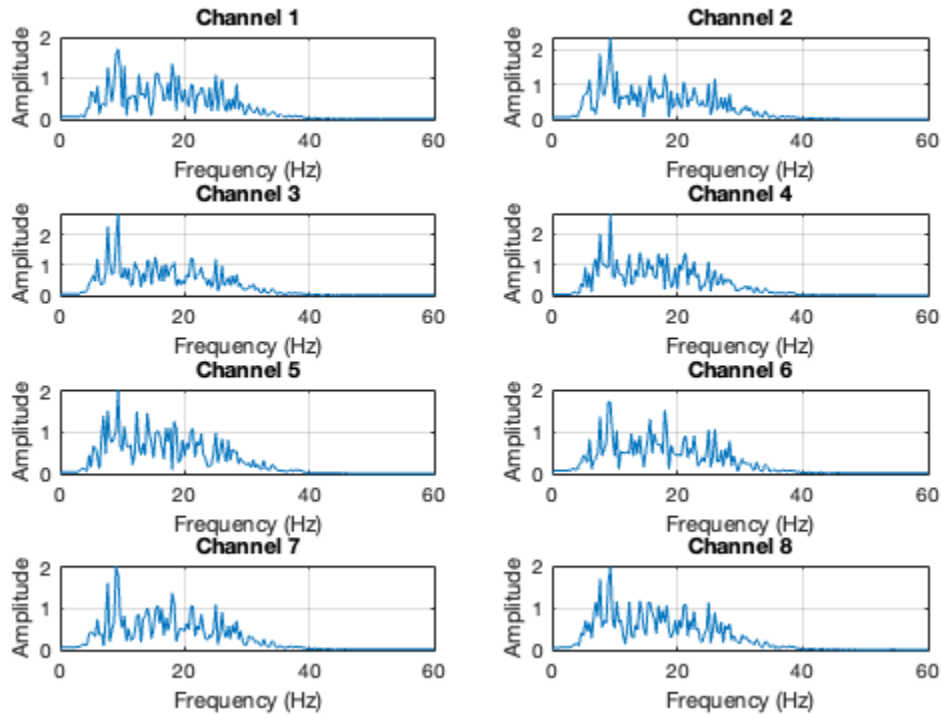
FFT for Epoch 6



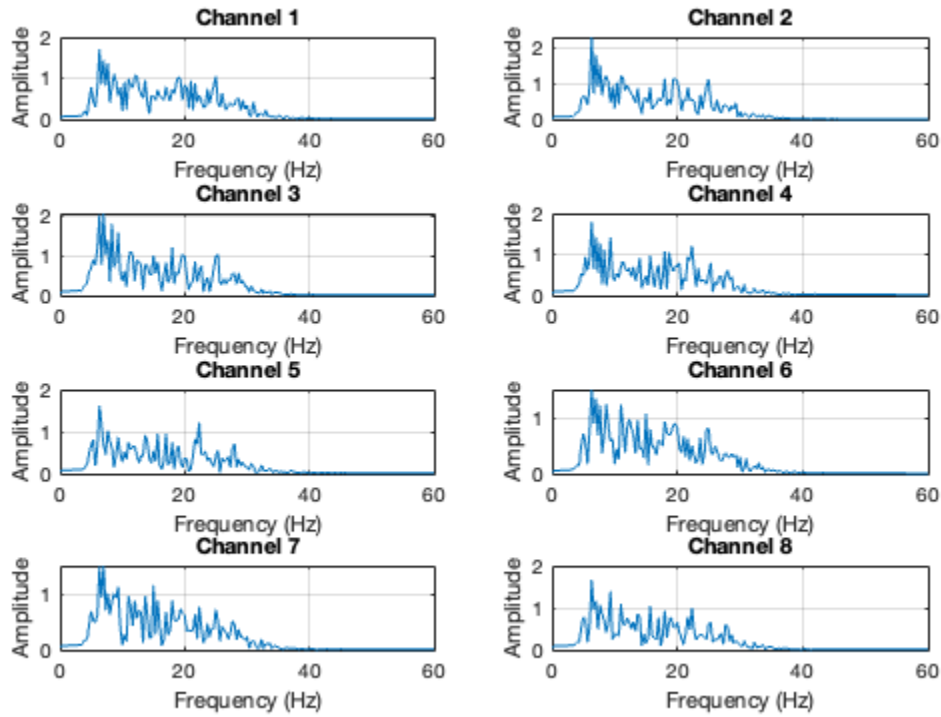
FFT for Epoch 7



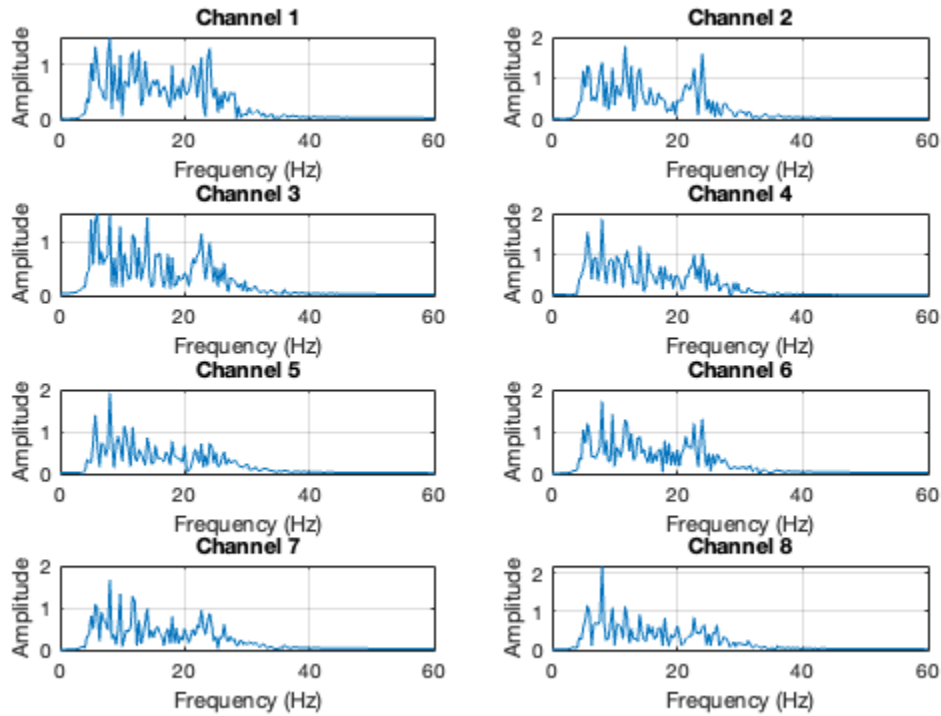
FFT for Epoch 8



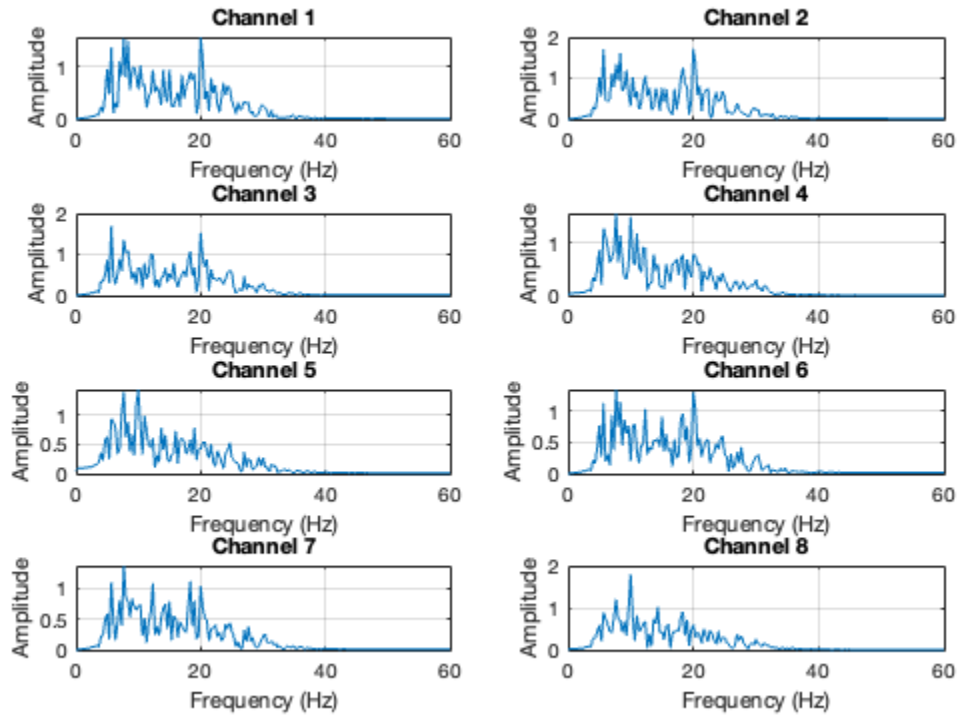
FFT for Epoch 9



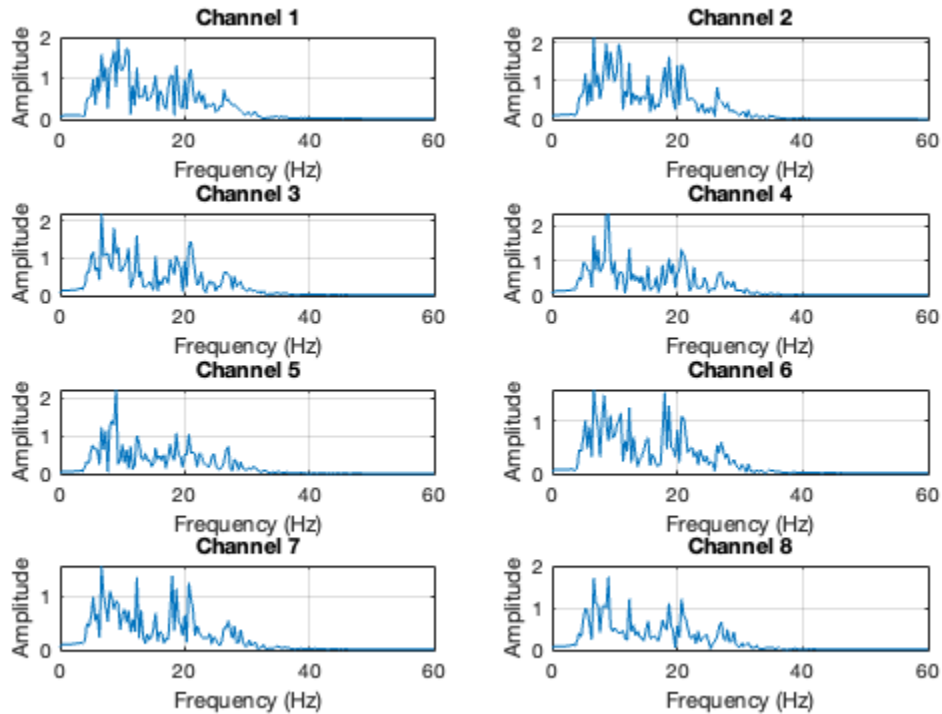
FFT for Epoch 10



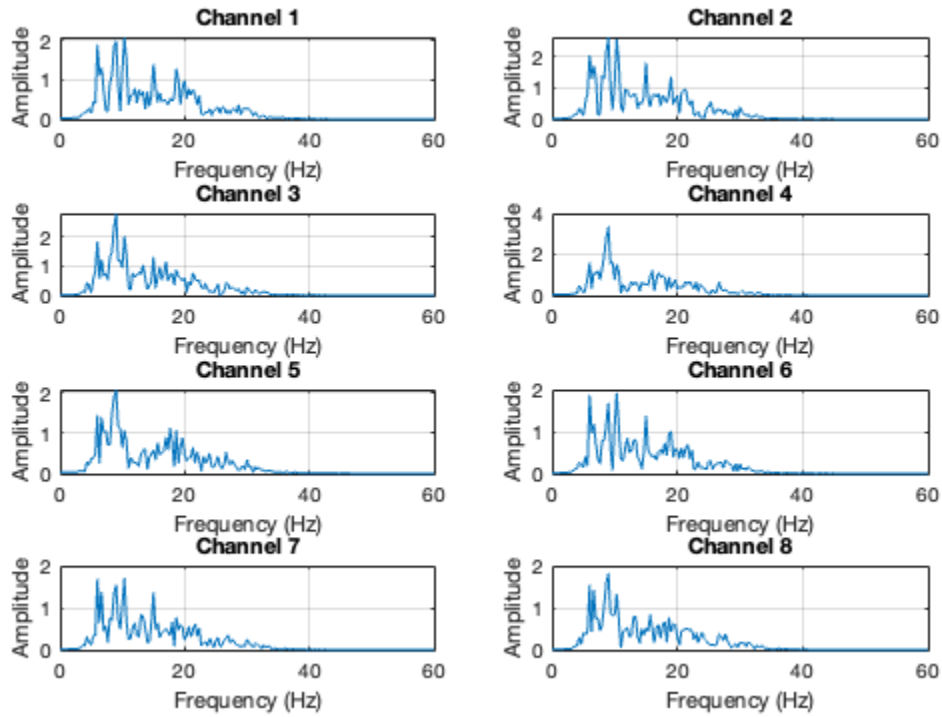
FFT for Epoch 11



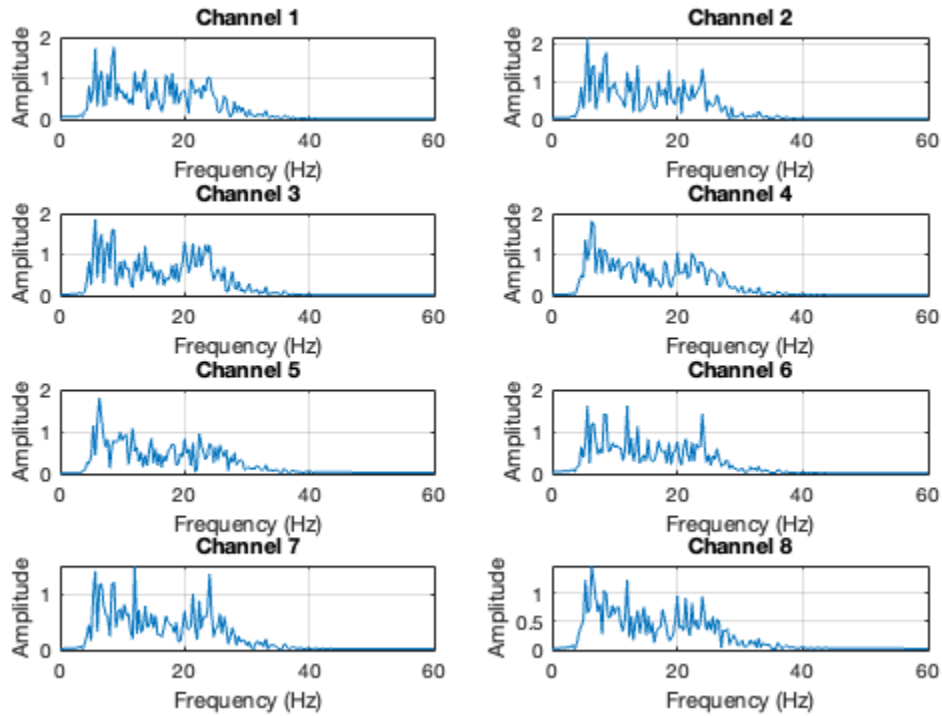
FFT for Epoch 12



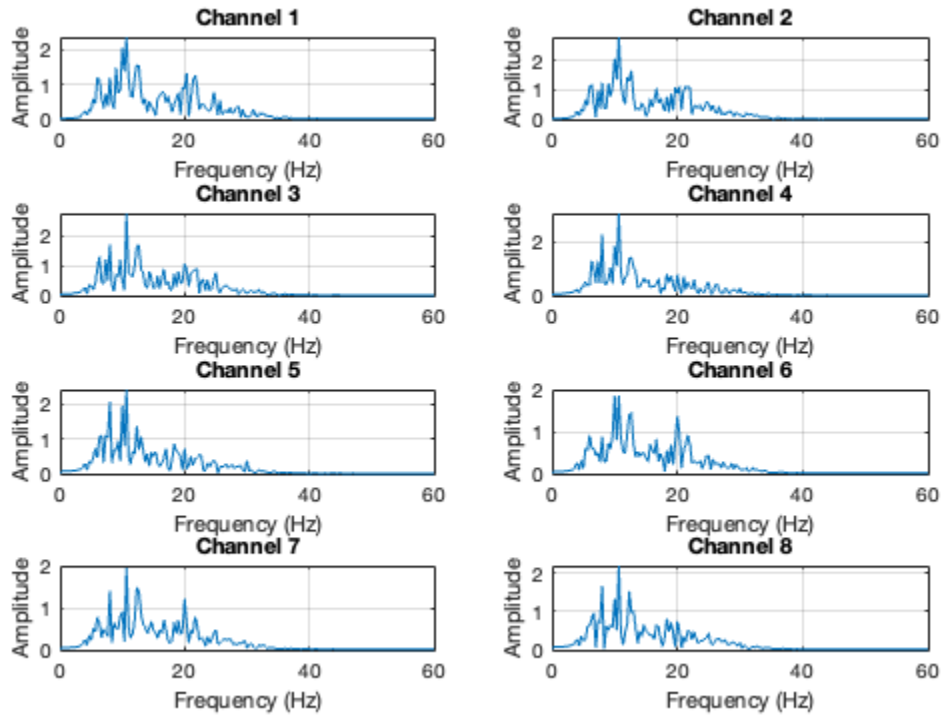
FFT for Epoch 13



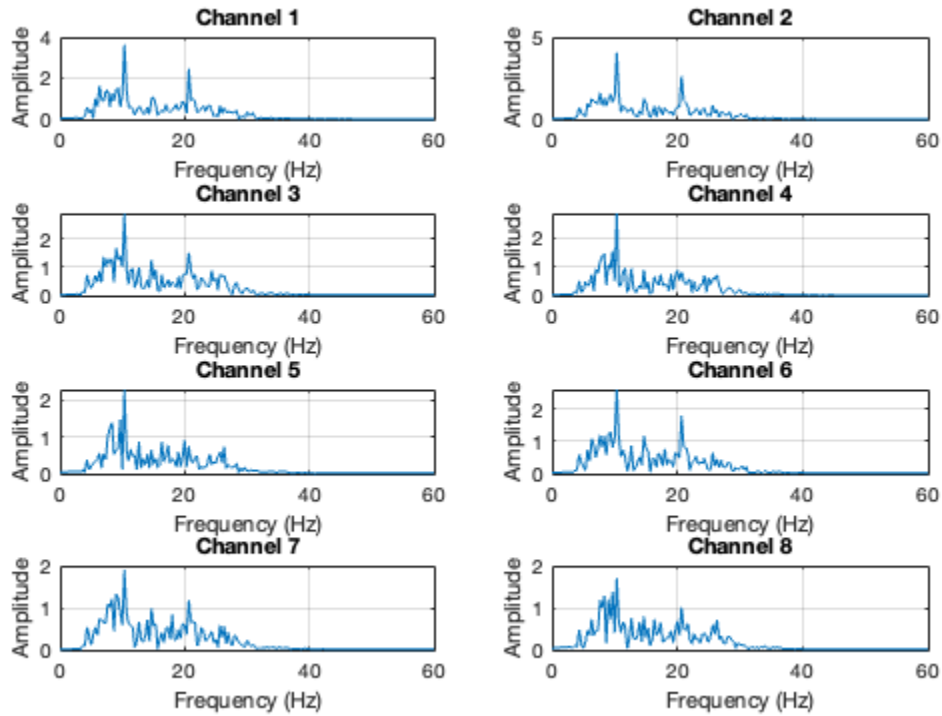
FFT for Epoch 14



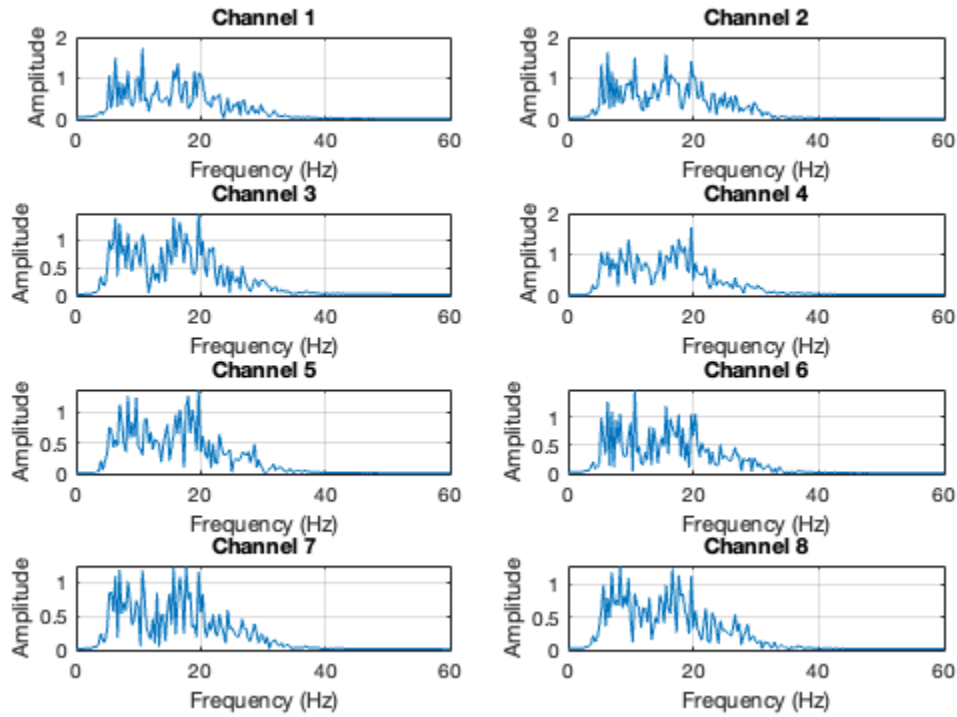
FFT for Epoch 15



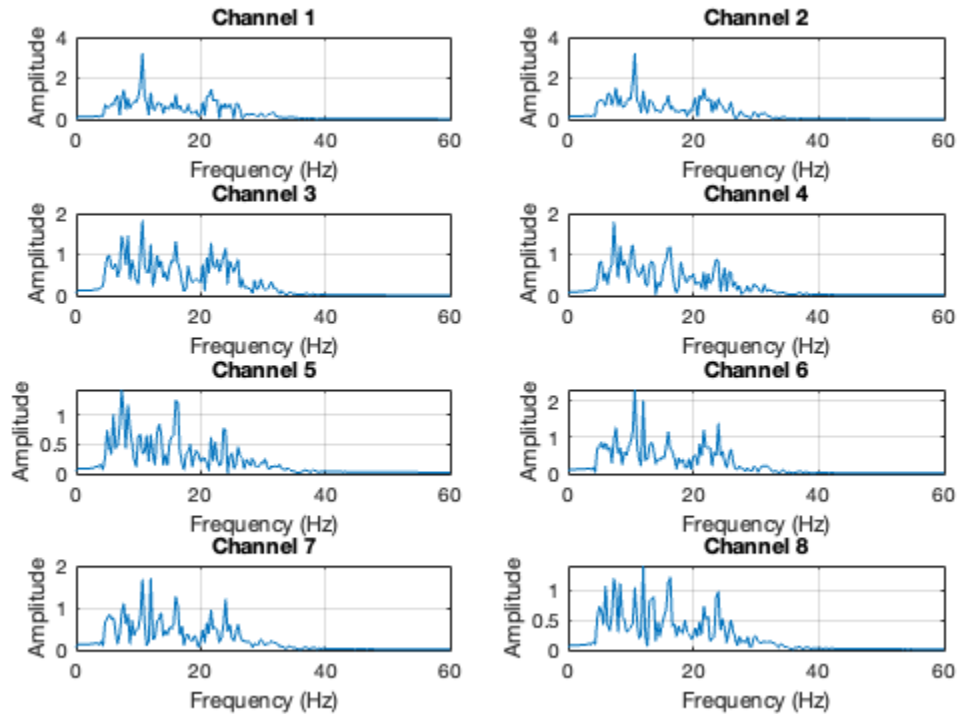
FFT for Epoch 16



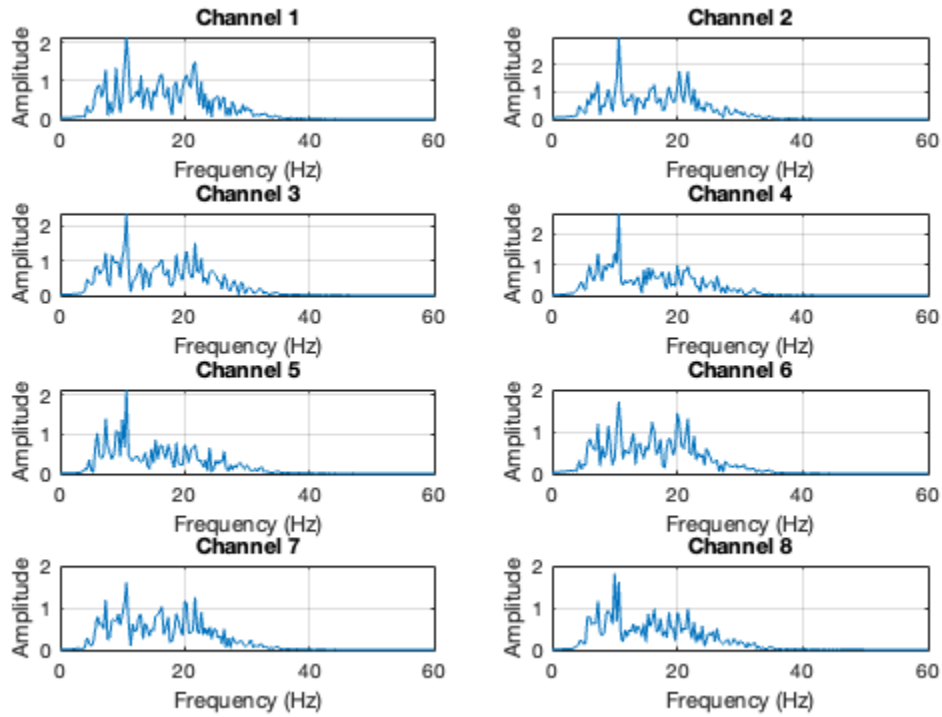
FFT for Epoch 17



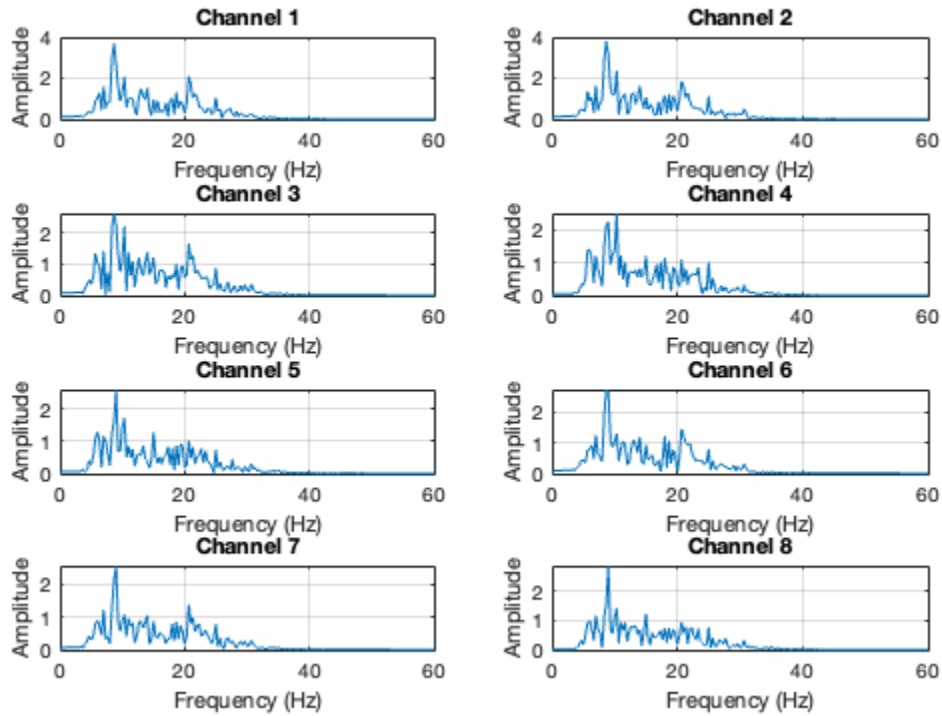
FFT for Epoch 18



FFT for Epoch 19



FFT for Epoch 20



LDA Alignment using Trigger Info

```
% Extract LDA output for each epoch based on trigger transitions
predicted_labels_lda = zeros(num_epochs, 1); % Initialize the predicted LDA
labels

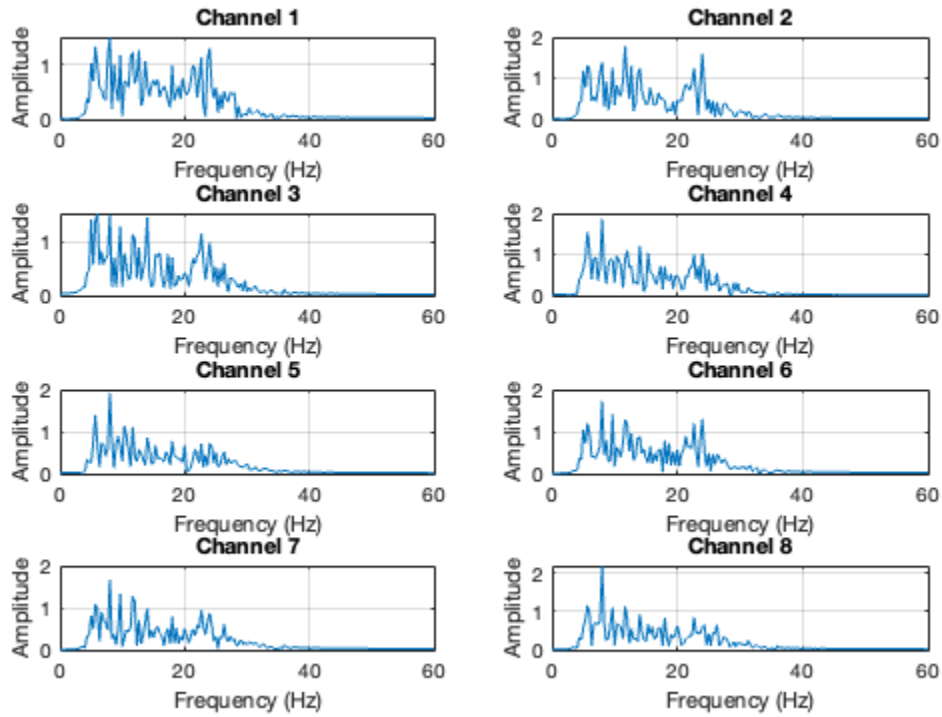
for i = 1:num_epochs
    epoch_start = onsets(i); % Get the start of the epoch based on
    trigger_info
    epoch_end = min(epoch_start + window_size - 1, length(lda_output)); %
    Ensure we don't exceed the LDA output length

    % Extract the LDA output for the duration of the epoch
    epoch_lda_output = lda_output(epoch_start:epoch_end);

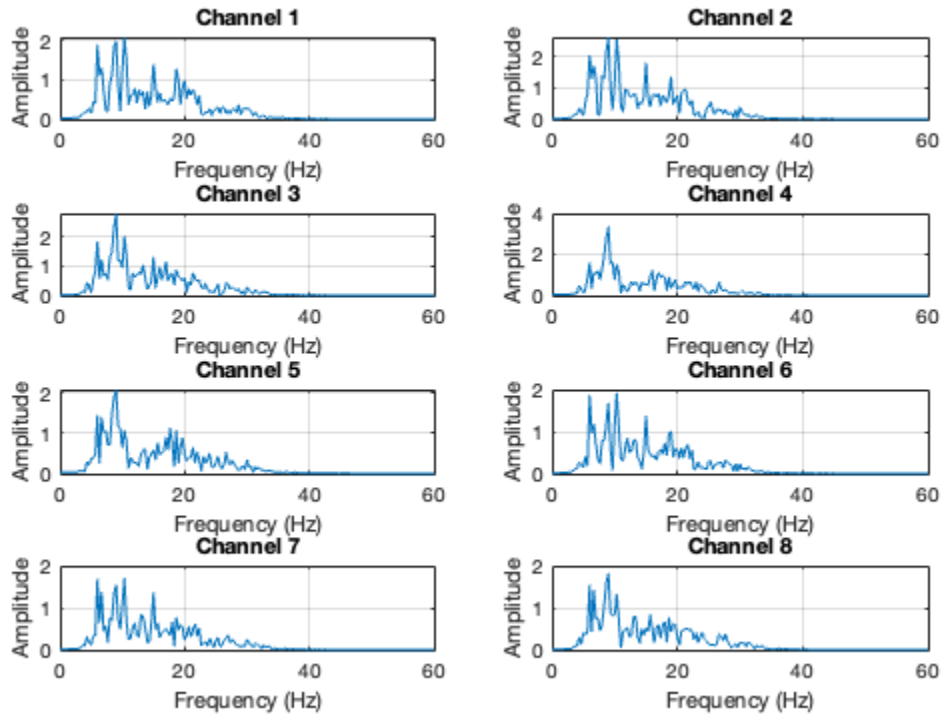
    % Use non-zero values of LDA output to find relevant predictions
    non_zero_lda_output = epoch_lda_output(epoch_lda_output ~= 0);

    % If there are non-zero values, take the most frequent (mode) or the last
    value
    if ~isempty(non_zero_lda_output)
        predicted_labels_lda(i) = mode(non_zero_lda_output); % Use mode for
        stable predictions
    else
        predicted_labels_lda(i) = 0; % Fallback to 0 if no non-zero LDA
        values are found
    end
end
```

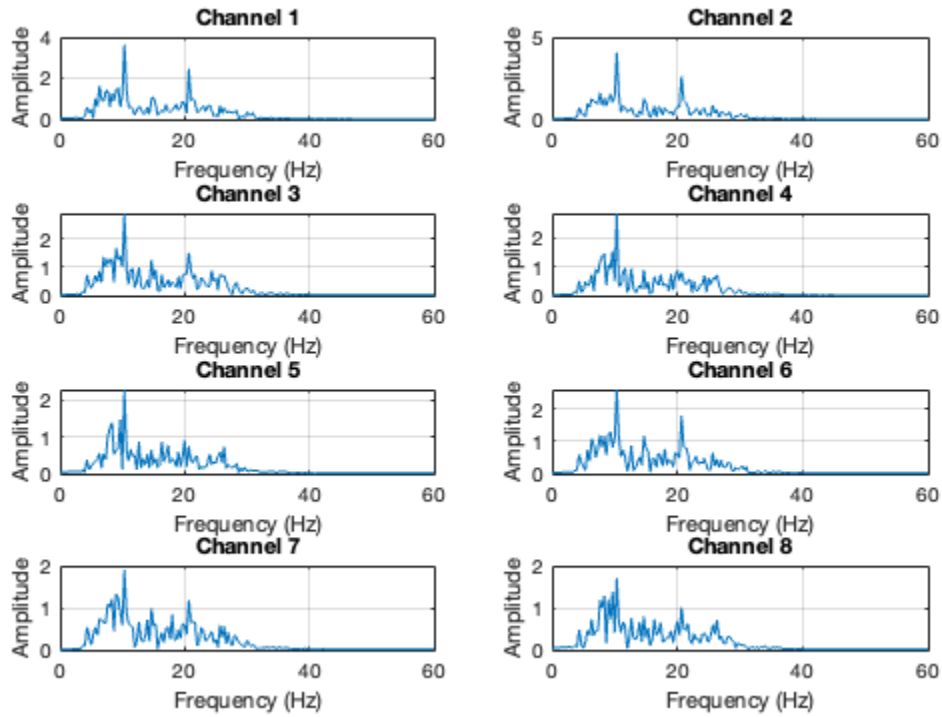

FFT for Epoch 10



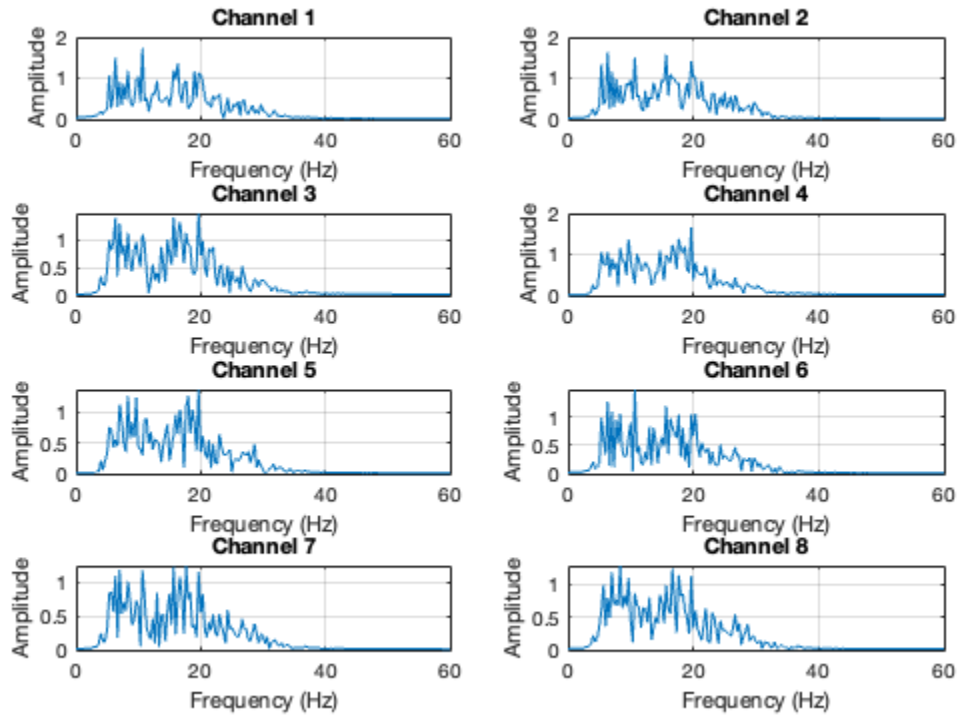
FFT for Epoch 13



FFT for Epoch 16



FFT for Epoch 17



CCA, FBCCA, and LDA Analysis

```
acc_cca = zeros(num_epochs, 1);
acc_fbcca = zeros(num_epochs, 1);
acc_lda = zeros(num_epochs, 1);
predicted_labels_cca = zeros(num_epochs, 1);
predicted_labels_fbcca = zeros(num_epochs, 1);

% Check if a pool already exists
if isempty(gcp('nocreate'))
    parpool;
end

parfor i = 1:num_epochs
    epoch = epochs{i};

    % Ensure we do not have low variance
    assert(var(epoch(:)) >= 1e-10);

    % Apply PCA
    [coeff, score, ~] = pca(epoch');
    reduced_epoch = score(:, 1:min(size(score, 2), 4));

    % --- CCA Analysis ---
    max_corr = zeros(1, length(frequencies_of_interest));
    for f_idx = 1:length(frequencies_of_interest)
        ref_signals =
create_reference_signals(frequencies_of_interest_reversed(f_idx), harmonics,
size(reduced_epoch, 1), fs);
        [~, ~, r] = canoncorr(reduced_epoch, ref_signals');
        max_corr(f_idx) = max(r);
    end
    [~, predicted_freq_idx_cca] = max(max_corr);
    predicted_labels_cca(i) = frequencies_of_interest(predicted_freq_idx_cca);

    % Check prediction
    acc_cca(i) = (predicted_labels_cca(i) == ground_truth_frequencies(i));

    % --- FBCCA Analysis ---
    fb_corr = zeros(1, length(frequencies_of_interest));
    num_bands = 7;
    for band_idx = 1:num_bands
        f_lower = max(0, frequencies_of_interest - 2 * band_idx); % Clamp to
0
        f_upper = min(fs/2, frequencies_of_interest + 2 * band_idx); % Clamp
to Nyquist

        for f_idx = 1:length(frequencies_of_interest)
            % Ensure valid frequency range for bandpass filter
            if f_lower(f_idx) >= f_upper(f_idx)
                warning('Skipping band %d due to invalid frequency range.',
band_idx);
                continue;
            end
        end
    end
end
end
```

```

        end

        % Normalize frequencies to be between 0 and 1
        norm_f_lower = f_lower(f_idx) / (fs/2);
        norm_f_upper = f_upper(f_idx) / (fs/2);

        % Ensure that the normalized frequencies are within the valid
range (0,1)
        if norm_f_lower <= 0 || norm_f_upper >= 1 || norm_f_lower >=
norm_f_upper
            warning('Skipping due to invalid normalized frequency
range.');
```

continue;

```

        end

        % Apply Butterworth filter with validated frequency range
        [b_fb, a_fb] = butter(1, [norm_f_lower norm_f_upper], 'bandpass');
        epoch_fb = filtfilt(b_fb, a_fb, epoch);

        % CCA analysis on filtered epoch
        ref_signals =
create_reference_signals(frequencies_of_interest_reversed(f_idx), harmonics,
size(epoch_fb, 2), fs);
        [~, ~, r_fb] = canoncorr(epoch_fb', ref_signals');
        fb_corr(f_idx) = max(r_fb) + fb_corr(f_idx);
    end
end

[~, predicted_freq_idx_fbcca] = max(fb_corr);
predicted_labels_fbcca(i) =
frequencies_of_interest(predicted_freq_idx_fbcca);

% Check prediction
acc_fbcca(i) = (predicted_labels_fbcca(i) == ground_truth_frequencies(i));

% --- LDA Analysis ---
acc_lda(i) = (predicted_labels_lda(i) == lda_ground_truth(i));

% Progress
if mod(i, 10) == 0
    fprintf('Epoch %d of %d processed.\n', i, num_epochs);
end
end

delete(gcp); % Shutdown parallel pool

% --- Helper Function to Create Reference Signals ---
function ref_signals = create_reference_signals(frequency, harmonics,
num_samples, fs)
    % frequency: target frequency in Hz
    % harmonics: number of harmonics to include
    % num_samples: number of time points
    % fs: sampling frequency (in Hz)

```

```

t = (0:num_samples-1) / fs; % Time vector
ref_signals = []; % Initialize the reference signal matrix

% Create sine and cosine signals for each harmonic
for h = 1:harmonics
    ref_signals = [ref_signals; sin(2 * pi * h * frequency * t); cos(2 *
pi * h * frequency * t)];
end
end

% Calculate average accuracies
avg_cca_accuracy = mean(acc_cca) * 100;
avg_fbcca_accuracy = mean(acc_fbcca) * 100;
avg_lda_accuracy = mean(acc_lda) * 100;

% Display the accuracies for each model
disp(['CCA Accuracy: ', num2str(avg_cca_accuracy), '%']);
disp(['FBCCA Accuracy: ', num2str(avg_fbcca_accuracy), '%']);
disp(['LDA Accuracy: ', num2str(avg_lda_accuracy), '%']);

% Combine the accuracies into one matrix for plotting
accuracies = [avg_cca_accuracy, avg_fbcca_accuracy, avg_lda_accuracy];

% Plot the accuracies on the same bar graph
figure;
bar(accuracies);
title('Classification Accuracies of CCA, FBCCA, and LDA');
ylabel('Accuracy (%)');
xticklabels({'CCA', 'FBCCA', 'LDA'}); % Labels for x-axis
ylim([0, 100]); % Set the Y-axis range to 0-100%
set(gca, 'FontSize', 12);

```

Starting parallel pool (parpool) using the 'Processes' profile ...

Connected to parallel pool with 8 workers.

Warning: X is not full rank.

> In <a

href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88)

Warning: X is not full rank.

> In <a

href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88)

Warning: X is not full rank.

> In <a

href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr (<a href="matlab: opentoline('/

```

style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: Skipping due to invalid normalized frequency range.
Warning: Skipping due to invalid normalized frequency range.
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)

```

```

88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: Skipping due to invalid normalized frequency range.
Warning: Skipping due to invalid normalized frequency range.
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: Skipping due to invalid normalized frequency range.
Warning: Skipping due to invalid normalized frequency range.
Warning: Skipping due to invalid normalized frequency range.
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: Skipping due to invalid normalized frequency range.
Warning: Skipping due to invalid normalized frequency range.
Warning: Skipping due to invalid normalized frequency range.
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',

```

```

/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88,0)">line
88</a>)
Warning: Skipping due to invalid normalized frequency range.
```

```

88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: Skipping due to invalid normalized frequency range.
Warning: Skipping due to invalid normalized frequency range.
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: Skipping due to invalid normalized frequency range.
Warning: Skipping due to invalid normalized frequency range.

```

```

> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
Warning: Skipping due to invalid normalized frequency range.
Warning: Skipping due to invalid normalized frequency range.
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"

```

```

'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: Skipping due to invalid normalized frequency range.
Warning: Skipping due to invalid normalized frequency range.
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line

```

```

Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: Skipping due to invalid normalized frequency range.
Warning: Skipping due to invalid normalized frequency range.
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.

```

```

Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: Skipping due to invalid normalized frequency range.
Warning: Skipping due to invalid normalized frequency range.
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',

```

```

"/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88,0)">line
88</a>)
Warning: Skipping due to invalid normalized frequency range.
Warning: Skipping due to invalid normalized frequency range.
Warning: Skipping due to invalid normalized frequency range.
Warning: X is not full rank.
> In <a
href="/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88,0)">line
88</a>)
Warning: Skipping due to invalid normalized frequency range.
Warning: Skipping due to invalid normalized frequency range.
Warning: Skipping due to invalid normalized frequency range.
Warning: X is not full rank.
> In <a
href="/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88,0)">line
88</a>)
Warning: X is not full rank.
> In <a

```

```

href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88,0)">line
88</a>)

```

```

Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: Skipping due to invalid normalized frequency range.
Warning: Skipping due to invalid normalized frequency range.
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: Skipping due to invalid normalized frequency range.
Warning: Skipping due to invalid normalized frequency range.
Warning: Skipping due to invalid normalized frequency range.

```

```

Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: Skipping due to invalid normalized frequency range.
Warning: Skipping due to invalid normalized frequency range.
Warning: Skipping due to invalid normalized frequency range.
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Epoch 10 of 20 processed.
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.

```

```

88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: Skipping due to invalid normalized frequency range.
Warning: Skipping due to invalid normalized frequency range.
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: Skipping due to invalid normalized frequency range.
Warning: Skipping due to invalid normalized frequency range.
Warning: Skipping due to invalid normalized frequency range.
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: Skipping due to invalid normalized frequency range.
Warning: Skipping due to invalid normalized frequency range.
Warning: Skipping due to invalid normalized frequency range.
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',

```

```

88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: Skipping due to invalid normalized frequency range.
Warning: Skipping due to invalid normalized frequency range.
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: Skipping due to invalid normalized frequency range.
Warning: Skipping due to invalid normalized frequency range.
Warning: Skipping due to invalid normalized frequency range.
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: Skipping due to invalid normalized frequency range.
Warning: Skipping due to invalid normalized frequency range.
Warning: Skipping due to invalid normalized frequency range.
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',

```

```

> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: Skipping due to invalid normalized frequency range.
Warning: Skipping due to invalid normalized frequency range.
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"

```

```

> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: Skipping due to invalid normalized frequency range.
Warning: Skipping due to invalid normalized frequency range.
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: Skipping due to invalid normalized frequency range.
Warning: Skipping due to invalid normalized frequency range.
Warning: Skipping due to invalid normalized frequency range.
Warning: X is not full rank.

```

```

> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: Skipping due to invalid normalized frequency range.
Warning: Skipping due to invalid normalized frequency range.
Warning: Skipping due to invalid normalized frequency range.
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',

```

```

> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: Skipping due to invalid normalized frequency range.
Warning: Skipping due to invalid normalized frequency range.
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: Skipping due to invalid normalized frequency range.
Warning: Skipping due to invalid normalized frequency range.
Warning: Skipping due to invalid normalized frequency range.
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: Skipping due to invalid normalized frequency range.
Warning: Skipping due to invalid normalized frequency range.
Warning: Skipping due to invalid normalized frequency range.
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/

```

```

/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88,0)">line
88</a>)
Warning: X is not full rank.

```

```

> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: Skipping due to invalid normalized frequency range.
Warning: Skipping due to invalid normalized frequency range.
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: Skipping due to invalid normalized frequency range.
Warning: Skipping due to invalid normalized frequency range.
Warning: Skipping due to invalid normalized frequency range.
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: Skipping due to invalid normalized frequency range.
Warning: Skipping due to invalid normalized frequency range.
Warning: Skipping due to invalid normalized frequency range.
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/

```

```

'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: Skipping due to invalid normalized frequency range.
Warning: Skipping due to invalid normalized frequency range.
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line

```

```

'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: Skipping due to invalid normalized frequency range.
Warning: Skipping due to invalid normalized frequency range.
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: Skipping due to invalid normalized frequency range.
Warning: Skipping due to invalid normalized frequency range.
Warning: Skipping due to invalid normalized frequency range.
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',

```

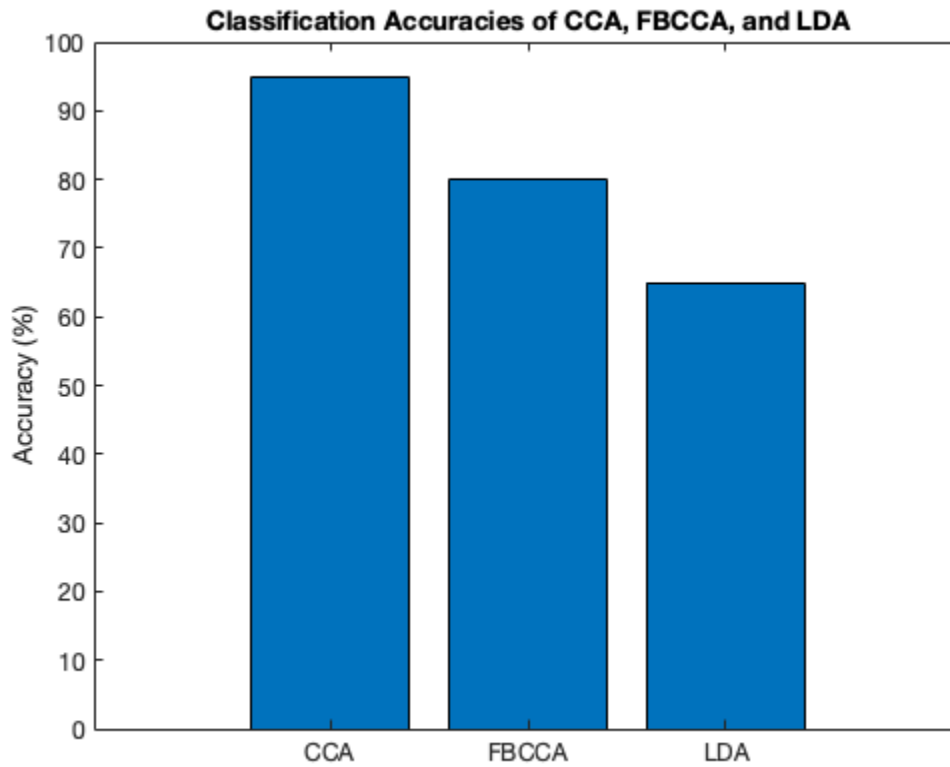
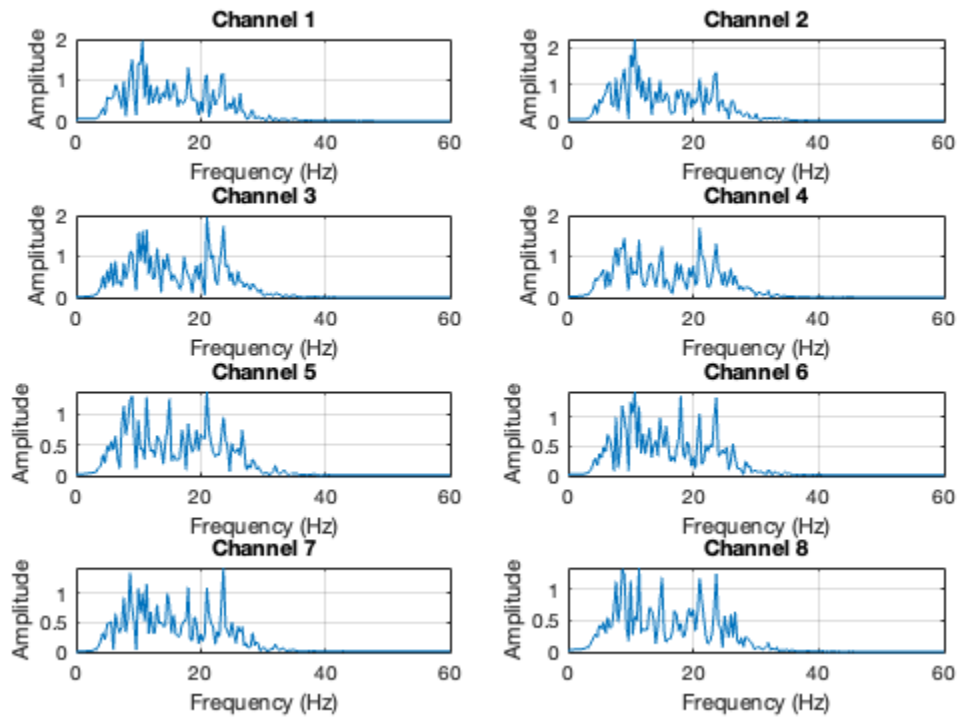
```

style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: Skipping due to invalid normalized frequency range.
Warning: Skipping due to invalid normalized frequency range.
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)

```

```
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: Skipping due to invalid normalized frequency range.
Warning: Skipping due to invalid normalized frequency range.
Warning: Skipping due to invalid normalized frequency range.
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Warning: Skipping due to invalid normalized frequency range.
Warning: Skipping due to invalid normalized frequency range.
Warning: Skipping due to invalid normalized frequency range.
Warning: X is not full rank.
> In <a
href="matlab:matlab.lang.internal.introspective.errorDocCallback('canoncorr',
'/Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m', 88)"
style="font-weight:bold">canoncorr</a> (<a href="matlab: opentoline('/
Applications/MATLAB_R2024a.app/toolbox/stats/stats/canoncorr.m',88,0)">line
88</a>)
Parallel pool using the 'Processes' profile is shutting down.
CCA Accuracy: 95%
FBCCA Accuracy: 80%
LDA Accuracy: 65%
```

FFT for Epoch 4



Published with MATLAB® R2024a