Matlab Graph Matrix with Jet Spectrum Color, Label a Subset Examples

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Plot a Subset of Data Matrix with Appropriate Legends

Sometimes we solve a model across many states, but we can only plot at a subset of states, or perhaps we plot at all states, but only show legends/labels for a subset.

In the example below, many lines are plotted, however, only a subset of lines are labeled in the legend.

```
clear all;
close all;
% Generate Random Data
rng(123);
it_x_n = 10;
it_y_groups_n = 100;
ar_y = linspace(1,2,it_y_groups_n);
mat_y = rand([it_x_n, it_y_groups_n]);
mat_y = mat_y + sqrt(1:it_y_groups_n);
mat_y = mat_y + log(1:it_x_n)' + ar_y;
ar x = 1:1:it \times n;
% Jet color Graph All
figure('PaperPosition', [0 0 7 4]);
chart = plot(mat y);
clr = jet(numel(chart));
for m = 1:numel(chart)
    set(chart(m), 'Color', clr(m,:))
end
% zero lines
xline(0);
yline(0);
% invalid points separating lines
yline borrbound = yline(3);
yline_borrbound.HandleVisibility = 'on';
yline borrbound.LineStyle = ':';
yline borrbound.Color = 'black';
yline borrbound.LineWidth = 3;
% Titling
title('Cash-on-Hand given w(k+b),k,z');
ylabel('Cash-on-Hand');
xlabel({'Index of Cash-on-Hand Discrete Point'...
    'Each Segment is a w=k+b; within segment increasing k'...
    'For each w and z, coh maximizing k is different'});
% Xlim controls
```

