```
% Example on page 35
% Experimental Methods, W Bolton (1996), Elsevier
%
clear; clc;
%
pressure = [ 1.2e5  1.4e5  1.6e5 1.8e5 2.0e5];  % (10^5 Pa)
volume   = [  13.3   11.4   10.0   8.9   8.0];  % (m^3)

%-------------------------------------------------------------------------------
% Plot using original non-log data set
%-------------------------------------------------------------------------------
subplot(2,1,1)
x = pressure; xlo = min(x); xhi = max(x);
y = volume;   ylo = min(y); yhi = max(y);
p1 = plot(x,y)
set(p1, "linestyle", "-");
set(p1, "marker", "o");

axis([xlo xhi ylo yhi], "square","tic","labelxy")
xlabel("Pressure (Pa)")
ylabel("Volume (m^3)")
title("Example on page 35")
grid on

%-------------------------------------------------------------------------------
% Take log of both x- and y-values and plot on log-log graph
%-------------------------------------------------------------------------------
subplot(2,1,2)
x = log10(pressure); xlo = min(x); xhi = max(x);
y = log10(volume);   ylo = min(y); yhi = max(y);
%
p2 = plot(x,y)
set(p2, "linestyle", "-");
set(p2, "marker", "o");

axis([xlo xhi ylo yhi], "square","tic","labelxy")
xlabel("log_{10} Pressure")
ylabel("log_{10} Volume")
title("Example on page 35")
grid on
```