

Technology Notes: Scatterplots on the TI83/84 Graphing Calculator

Enter the data, with explanatory variable in list 1 and the response variable in list 2. The Next, press **2ND [STAT-PLOT]** to enter the STAT-PLOTS menu and choose the first plot.

L1	L2	L3	1
87	64		-----
40	72		
40	27		
42	4		
56	39		
58	21		
62	56		

L10=34

```

STAT PLOTS
1:Plot1...On
   L1  1
2:Plot2...Off
   L1  L4
3:Plot3...Off
   L1  L2
4↓PlotsOff
    
```

Change the settings to match the following screenshot:

```

Plot1 Plot2 Plot3
On Off
Type: [ ] [ ] [ ]
Xlist:L1
Ylist:L2
Mark: [ ] + .
    
```

This selects a scatterplot with the explanatory variable in L_1 and the response variable in L_2 . In order to see the points better, you should choose either the square or the plus sign for the mark. Finally, set an appropriate Window to match the data. In this case, we looked at our lowest and highest percentages in each variable, and added a bit of room to create a pleasant window. Press **[GRAPH]** to see the result, which is shown below.

```

WINDOW
Xmin=20
Xmax=100
Xscl=10
Ymin=-5
Ymax=105
Yscl=10
Xres=1
    
```

