

How to Input Data and Make a Scatterplot on the TI-83 Calculator

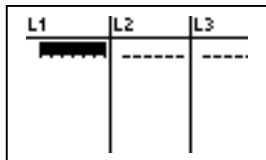
The accompanying table lists weights (in hundreds of pounds) and highway fuel usage rates (in mpg) for a sample of domestic new cars.

Weight (x)	29	35	28	44	25	34	30	33	28	24
Fuel (y)	31	27	29	25	31	29	28	28	28	33

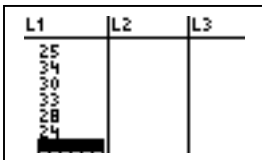
How to Input Data



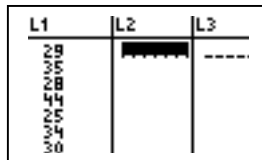
Press the **Stat** key on your calculator. It is located in the second row from the top, the third button.



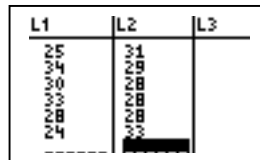
Press either **ENTER** or **1** to go to the Edit screen. If there is data in your list you will need to clear it first. (See below)



Type the weights into L1 pressing **ENTER** after each number.

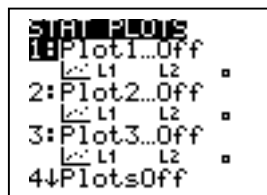


Press the **right arrow** key to move over to L2.



Type the Fuel usage rate in L2, pressing **ENTER** after each number. You can use any list you want, you do not have to use L1 and L2.

How to Make a Scatterplot



Press **2nd** then **STAT PLOT**. (The **STAT PLOT** is located on the **Y=** key just below the screen.)



Press **ENTER** or **1** to select Plot 1. Your cursor should be flashing on the word On.



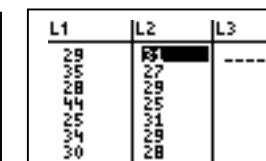
Press **ENTER** to turn the plot on.

The next 2 lines are the different types of graphs. The first one is a scatterplot and the second is a line graph. These are the only two types we will use in this class. The next two lines are the lists you used for the x and y values. If you need to change these, then press **2nd** and the **number** corresponding to the list you need. The last line is the mark the calculator will use for the points. Now press **Zoom** (**3rd** button over under the screen) and **9** to have the calculator set the scale for the axes. (**9:ZoomStat**)

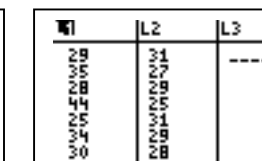
How to Clear the Lists



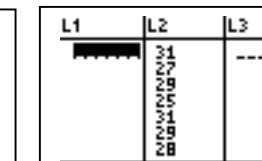
Press the **Stat** key on your calculator. It is located in the second row from the top, the third button.



Press either **ENTER** or **1** to go to the Edit screen.



Use the arrow keys until the L1 at the top of the list is highlighted.



Press the **Clear** key and then the **ENTER** Key. **DO NOT** press the **DEL** key. This will delete the list not clear the list. If you do delete a list you can press the **Stat** key, **5:SetUpEditor** and **ENTER**