

Technology Toolbox



Making a calculator scatterplot

We will use the beer consumption and blood alcohol content data from Example 3.5 (page 177) to show how to construct a scatterplot on a TI-83/84/89.

- Enter the beer consumption values in L₁/list1 and the BAC values in L₂/list2.

TI-83/84

L1	L2	L3	L4
5	.1		
2	.03		
9	.19		
8	.12		
3	.04		
7	.095		
3	.07		

L1(1)=5

TI-89

F1	F2	F3	F4	F5	F6	F7	F8
Plot1	Plot2	Plot3	Plot4	Plot5	Plot6	Plot7	Plot8
list1	list2	list3	list4				
5	.1						
2	.03						
9	.19						
8	.12						
3	.04						
7	.095						
3	.07						

list1[1]=5.
STATVARS RAD APPROX FUNC 1/11

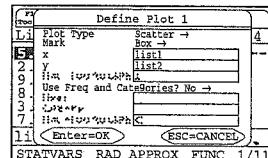
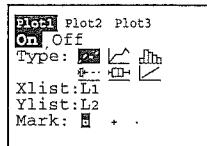
(continued)

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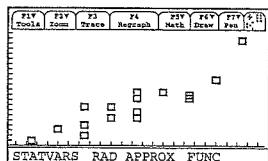
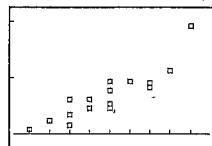


Making a calculator scatterplot (continued)

- Next, define a scatterplot in the statistics plot menu (press on the TI-89). Specify the settings shown.



- Use ZoomStat (ZoomData on the TI-89) to obtain a graph. The calculator will set the window dimensions automatically by looking at the values in L₁/list1 and L₂/list2.



- Notice that there are no scales on the axes, and that the axes are not labeled. If you copy a scatterplot from your calculator onto your paper, make sure that you scale and label the axes. You can use TRACE to help you get started.