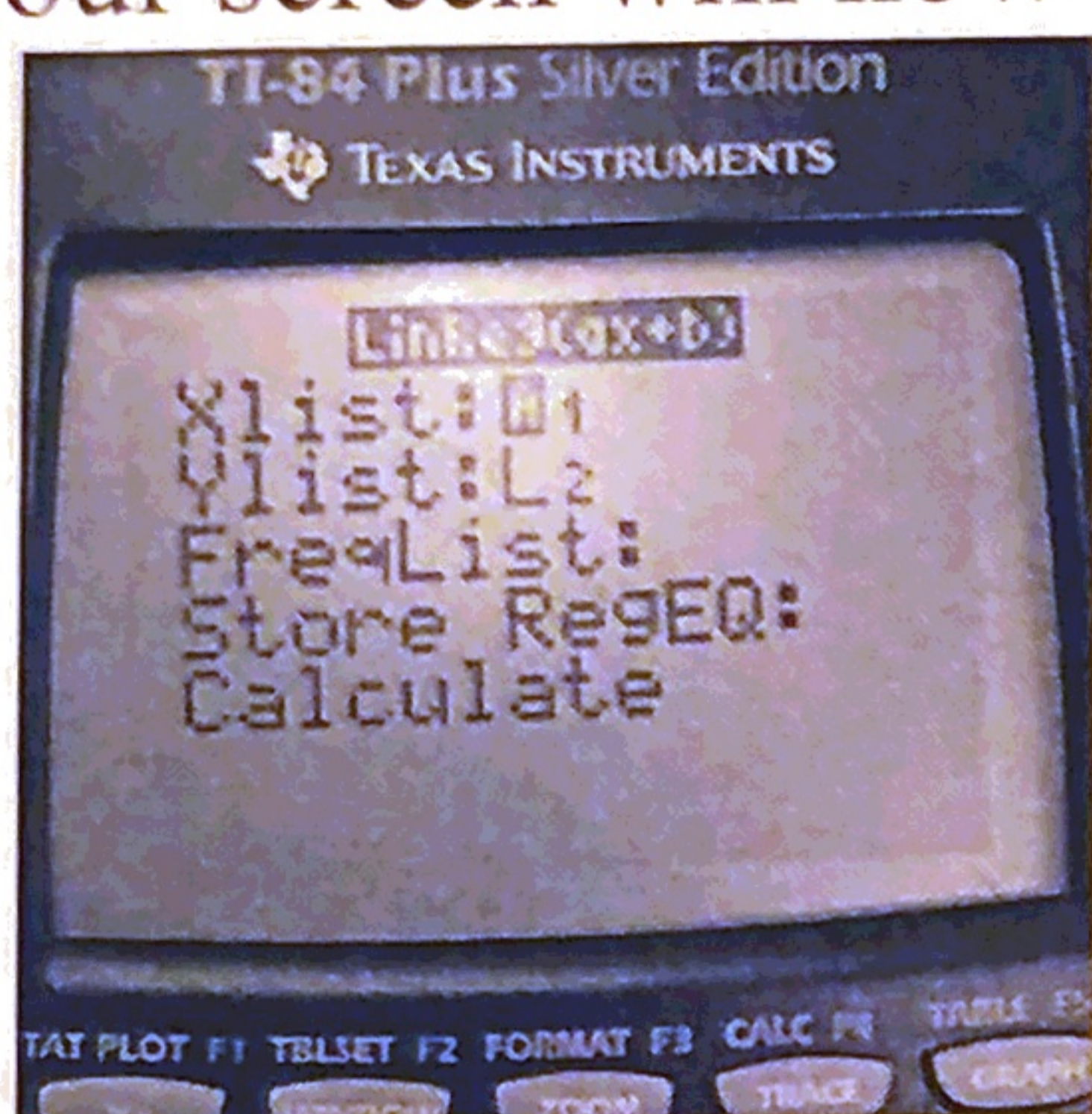


Regression on the TI-84 operating system 2.55

- 1) Clear the calculator (2^{nd} , +, 7, 1, 2)
- 2) Turn diagnostics on (2^{nd} , 0, arrow down to diagnosticON, enter, enter)
- 3) Turn stat plots on (2^{nd} , y=, enter, enter)
- 4) Enter data (stat, 1)
hit enter after each data point entered, arrow over to get to list 2
- 5) Look at the graph (zoom, 9)
- 6) Calculate your regression equation (stat, arrow over to calc, 4: linear)

Your screen will now look like this:



Xlist: leave it alone it should say list 1
Y list: leave it alone it should say list 2
FreqList: leave blank
Store RegEQ: (vars, arrow right to Y-vars, 1, 1)
Enter
Enter

Your screen should now show the regression equation, correlation coefficient, and your equation is automatically stored in y_1 !

- To interpolate data if you are given the x value:
Use the calculate feature (2^{nd} , trace, 1)
Type in the x value

- To extrapolate (or interpolate if given the y-value)
Use the table feature (2^{nd} , graph)
Arrow up or down to the desired data value.
If you need to change the scaling on the x column, press the plus sign as soon as you enter the table and tell it what you want it to count by.

