

Regression for the TI-89

To Input Data:

1. Press the **APPS** key
2. Go to **Data/Matrix Editor (#6)**
3. Highlight **New (#3)**
4. In the variable box type **a** (any unshared letter will work, don't use x,y,n,t)
5. Press **Enter, Enter**
6. Enter the inputs, or x column in **C1** hitting **Enter** after every number
7. Enter the outputs, or y column in **C2** hitting **Enter** after every number

To See Scatter Plot:

1. Input all the data (Follow steps above)
2. Go to **Plot Setup (F2)**
3. Hit **Define (F4)** on plot 1
4. Make sure you have Plot Type: **Scatter Plot**
5. In the x: row type **c1 (alpha , c , 1)**
6. In the y: row type **c2 (alpha , c , 2)**
7. Press **Enter, Enter**
8. Press **Green Diamond** and **Graph (F3)**
9. Press **Zoom (F2)**
10. Go down to **ZoomData (#9)**
11. Graph should now appear

To Get Regression Equation:

1. Press the **APPS** key
2. Go to **Data/Matrix Editor (#6)**
3. Go to **Current** if data is already input, if not follow "To Input Data" steps
4. Press **Math (F5)**
5. Change Calculation Type : **Linreg, Quadreg, Cubicreg, etc.**
6. In the x: row type **c1 (alpha , c , 1)**
7. In the y: row type **c2 (alpha , c , 2)**
8. Change Store RegEQ : **y1**
9. Press **Enter, Enter**
10. The numbers will now show up (**write these down!!!**)
11. To see the graph, press **Green Diamond , Graph (F3)**