



Linear regression with the TI-89




QUICK REFERENCE

1. *Editing data:* NOTE: If you have never performed a regression on this calculator see "Set up the Data Editor" on the back of this page.

APPS **Data/Matrix Editor** (6) **Current** (1)

To clear old data: Press  or  to place the cursor in the column you want to clear, **2nd** **F6** (F1) **Clear Column** (5)

To enter the new data: Enter the x values in column 1 (c1).

Press **ENTER** after each entry. Press , , and  to position the cursor at the top of column 2.

Enter the y values in column 2 (c2). Press **ENTER** after each entry.







2. To see the scattergram:

Plot Setup (F2) **Define** (F1)  **Scatter** (1)   **alpha** **C** **1**  **alpha** **C** **2**

ENTER **ENTER**  **GRAPH** (F3)

To adjust the viewing window: **ZOOM** (F2) **ZoomData** (9)

3. Calculate the regression equation:

Calc (F5)  **LinReg** (5)  **alpha** **C** **1**  **alpha** **C** **2** 
  (y1(x)) **ENTER** **ENTER** To return to the DATA screen press **ENTER**

Start Here... if you have never performed a regression with this calculator.

Set up the Data Editor:

APPS **Data/Matrix Editor** (6) **New** (3)  **Data** (1)   **alpha**

D (you may enter any alpha character or string of characters here) **ENTER** **ENTER**

The next time you perform a regression you may start with step 1 "Editing Data" above.