

How to Use the TI-89 to Find Basic Summary Statistics

Entering the Data

Suppose that you want to find some basic summary statistics of the data set given below using a TI-89 graphing calculator.

17 15 23 19 14 21 25 29 20 22

First you will have to enter the data into a data spreadsheet. Press the blue APPS key followed by the 6 key to select Data/Matrix Editor, then choose new from the menu followed by the enter key. Your menu selection should look like this:



Now type a name for your spreadsheet in the variable box and press enter. For this example the spreadsheet is named data but you can name it anything as long as the name is within file naming specifications as described by the user's manual. Use the purple alpha key to access the alphabet characters.

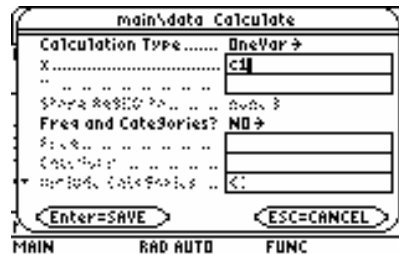


The spreadsheet should now be open and you can enter your data in column form as shown below. After you enter each data value use the enter key to progress to the next cell.

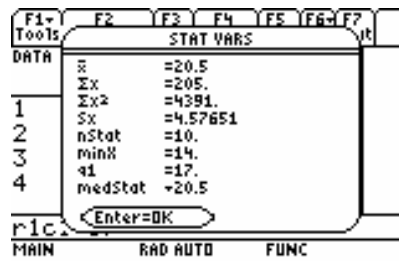
	F1-Tools	F2 Plot Setup	F3 Cell	F4 Header	F5 Calc	F6 Util	F7 Stat
DATA							
		c1		c2		c3	
1		17					
2		15					
3		23					
4		19					
ric1=17							
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Analyzing the Data

In order to display basic statistics about your data once you have it entered, press F5 for the calc tab, change the calculation type box to OneVar (by pressing the blue right arrow key), type c1 in the box labeled x and press enter. After pressing F5 and making the required changes your screen should look like the following:



The output is as follows:



This tells us that the mean is 20.5, the standard deviation is about 4.58, the median is 20.5, and various other facts about the data set. More information is available by scrolling downward with the blue down arrow key.