

Instructions for performing TI-92 statistics

1. Press the green **DIAMOND** key, then **HOME** (above the Q) to get to the home screen.
2. Press the **APPS** key and push **6** Data/Matrix Editor and now push **3** New.
3. Now a new window opens and at the curser is on *Data* and it is flashing press the down arrow. Now it is on *main* press the down arrow again. Now your cursor should be in the open box that has *Variable* written in front of it. The alpha lock is on so you can type in the alphabet and the calculator will follow. Type in a name for your material (your name works) Press **ENTER** twice now.
4. Now you should see a spreadsheet. You will type the data we are dealing with into this table down the first column. Type the first number and then arrow down to the next cell and continue this process until your data is entered.

Example: *Enter 3, 5, 7, 9, 11 as your data*

5. Now press the **F5 Calc** key.
6. TwoVar will be flashing and this is not what we want so we have to change this to OneVar. Press the right arrow and then press up to go to OneVar. Press **ENTER** and then press the **down arrow** to move the cursor into the open box.
7. Across from the x type in "c1" this tells the calculator that we are wanting it to look at column 1. Now press **ENTER** twice.
8. A window will open that has data just like below:
(press the up and down arrow to scroll through all the information)

\bar{x} = this is the average (mean or μ) of the data
 $\sum x$ = this is the sum of the data entered
 $\sum x^2$ = this is the sum of the terms squared
 S_x = this is the sample standard deviation
 $nStat$ = this is the number of terms that were entered
 $\min X$ = this is the lowest number that you entered
 $q1$ = this is the first quartile
 $medStat$ = this is the median or the second quartile
 $q3$ = this is the third quartile
 $\max X$ = this is the largest number that you entered

Example answer:

Your average (mean or μ) should be	7
Your sum should be	35
Your terms squared sum should be	285
Your sample standard deviation should be	3.162
Your number of terms should be	5
The lowest number entered	3
The first quartile	4
The median	7
The third quartile	10
The largest number entered	11