Texas Instruments TI-89 Statistics How-To Information

The following instructions should allow you to calculate the mean and standard deviation using a TI-89 calculator. There are other methods that will also work, using the matrix editor or the Stats/List Editor.

Method 1:

1. Turn on calculator and press HOME to return from any games, graphs, or other applications currently running.
2. Select the folder MAIN by pressing MODE and Current Folder. Press the right arrow key to open choices. Press ENTER twice when you are done.
3. Create a list by pressing "2nd" once and the left parentheses, "(", to get the curly braces "{".
4. Input the values in your data set, separated by commas. Example: {12.35, 12.36, 13.98
5. When you are done with inputting numbers, close the list by pressing "2nd" once and the right parentheses key to get the right curly braces "}".
6. Press the STO key above the ON button. An arrow will appear next to your list. Type in the name you wish to label your list. For example, you cold call it list1. Your list will look something like {12.35, 12.36, 13.98}[arrow]list1
7. If all has gone well, when you are done and press ENTER, your list will appear on the line below.
8. Press "2nd" and "5" to open the MATH menu. Press "6" to open the "STATISTICS" menu, press "6" again to select "stdDev(".
9. Press "2nd" and "-" (minus) to enter "VAR-LINK". Look under the MAIN folder until you find the list file you just created. Highlight the list file by pressing up or down, and press ENTER.
10. Your list file name should appear after "stdDev(". Press the right parentheses key to close and press ENTER. You will see the standard deviation of your values.

Method 2:

1. Turn on calculator and press HOME to return from any games, graphs, or other applications currently running.
2. Select MATH
3. Select STATISTICS
4. Scroll down to mean, press enter
5. Type a left "curly" bracket inside the existing bracket:
   mean ({
6. Input data, using commas to separate:
   $(\{x_1, x_2, x_3, ...$
7. Close brackets:
   $(\{x_1, x_2, x_3,...\})$
8. Press enter
9. Repeat to find the standard deviation