

## How to Use the TI-89

5    5    5    1    5    3    1    3    4    5

How to use the TI-89 for a list of numbers:

Press the following keys:

APPS

↓ DATA/MATRIX EDITOR

→CURRENT

This should get you directly to C1, C2, and so on, but if not then you need to do this

Type: Data

Folder: Main

Variable: Alpha A

Enter Enter

TOOLS (F1) CLEAR EDITOR (8) ENTER

Input the data into C1

5    Enter

5    Enter

5    Enter

Continue until all data has been entered.

Calc (F5)

Calculation Type: → ↑ One Var

Enter

↓

x: Alpha C 1

Enter Enter

You should now see the descriptive statistics on your screen.

$\bar{x}$     *mean*

$s_x$     *sample st dev*

To find the variance, go to your HOME screen. Input the standard deviation (with at least 5 decimal places) and then square it using the ^ KEY.

To find the mean, standard deviation, and variance for a frequency distribution:

Classes	Frequency
0.0 - 5.9	10
6.0 - 11.9	8
12.0 - 17.9	9
18.0 - 23.9	9
24.0 - 29.9	4

APPS  
↓ DATA/MATRIX EDITOR  
→ CURRENT

This should get you straight to C1, C2, and so on, but if not then you need to do

Type: Data  
Folder: Main  
Variable: Alpha A  
Enter Enter  
TOOLS (F1) CLEAR EDITOR (8) ENTER

Input the class midpoints into C1 and the frequency into C2

CALC (F5)  
Calculation Type: → ↑ One Var  
Enter  
↓  
x: Alpha C 1  
↓  
FREQ AND CATEGORIES → ↓ YES ENTER  
↓  
Freq: Alpha C 2  
Enter Enter

You should now see the descriptive statistics on your screen.