

Math 110

How to Use the TI-83

How to find the mean, standard deviation, and variance for a list of numbers using the TI-83.

Example:

5 5 5 3 1 5 1 3 4 5

Press the following keys:

STAT Enter
↑ Until List 1 is highlighted
Clear Enter

Input the data into List 1.

5 Enter
5 Enter
5 Enter

Continue until all data has been entered.

STAT
→CALC (F2)
1VAR Enter 2nd L1 Enter

You should now see the descriptive statistics on your screen.

To find the variance, input the standard deviation (with at least 5 decimal places) and press x^2 Key.

\bar{x} *Mean*

σ_x *Pop St Dev*

s_x *Sample St De*

To find the mean, standard deviation, and variance from a frequency table.

Example:

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

PRESS THE FOLLOWING KEYS:

STAT Enter

Clear all columns as before.

Input the class midpoints in List 1.

Input the frequency in List 2.

STAT

→CALC

1VAR Enter

2nd L1, 2nd L2 Enter

You should now see the statistics on your screen. Find the variance as before.