



CHAPTER

3

Descriptive Statistics



calculator keys

Mean, Median, Standard Deviation, Variance

To calculate descriptive statistics for a variable, first press [2nd][STAT][>][>] to display the Math menu. Next, select the appropriate statistic and press [ENTER]. Then type the name of the variable for which you have previously entered the data values and press [ENTER].

For example, to calculate the mean for data entered as the values for variable L1, you select 3:mean(, press [ENTER], press [2nd][1] (to type the variable name L1) and then press [ENTER]. The value of the mean appears on a new line, and your display will be similar to this:

mean(L1	39.6
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calculator keys

Box-and-Whisker Plots

To display a box-and-whisker plot for a variable:

1. Press [2nd][Y=] to display the STAT PLOT menu.
2. Select 1:Plot1 and press [ENTER].
3. In the Plot1 screen, select **On** and press [ENTER]. Select the second choice of the second line of plot types (a thumbnail box-and-whisker plot) and press [ENTER]. Type the variable name as the **Xlist** value. Press [GRAPH]. (Keep **Freq** as 1.)

If you cannot see your plot, press [ZOOM] and then select 9:ZoomStat and press [ENTER]. This re-centers your graph on the display. If you are creating a box-and-whisker plot for variable L1, your screen will look similar to this just before you press [GRAPH]:

Plot1	Plot2	Plot3
On	Off	
Type		
Xlist:L1	A	
Freq:1		