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Cell Phone Rates Comparison Using Stella, GSP, and TI

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Introduction to Stat Plots

Let's try plotting coordinate points, \((x, y)\), with the graphing calculator.

1) First be sure all lists are clear.
   Step 1: Hit 2\textsuperscript{nd} + to get to the MEMORY Screen.
   Step 2: Select option 4: ClrAllLists
   Step 3: Hit enter

   What word did you see when you hit enter? _____

2) Now, let’s get to the List Screen
   Step 1: Hit the STAT key
   Step 2: Select option 1:Edit

   Arrow over to the right.
   How many lists can you enter at one time? ______

3) Ready to Enter Data?
   We will enter the \(x\) coordinates under \(L1\).
   These represent the independent variable.
   \(L1\): What is your independent variable? ______________

   We will then enter the \(y\) coordinates under \(L2\).
   These represent the dependent variable.
   \(L2\): What is your dependent variable? ______________

   Is there any more dependent variable data in your table? _____

   If yes, you will enter these under \(L3\), \(L4\), etc...

   \(L3\): What is your dependent variable? ______________
   \(L4\): What is your dependent variable? ______________

   Enter the coordinates in the order that you created in your table.

   Be sure you are under the correct stat list.
4) Let’s graph our coordinate points by getting to Stat Plots.

Step 1: Enter 2nd Y=
Step 2: Select option 1 PLOT 1
Step 3: Turn on PLOT 1
Step 4: Choose the line plot with the points connected
Step 5: Enter L1 for the X List, and L2 for the Y List.
   Use ALPHA 1 to enter L1, ALPHA 2, to enter L2, etc..
Step 6: Choose the Mark with the square.
Step 7: Hit ZOOM and select option 9 (ZOOM STAT)
Step 8: Hit GRAPH

Sketch what you see.

Repeat the process for additional dependent variable data.

Step 1: Enter 2nd Y=
Step 2: Select option 2 PLOT 2
Step 3: Turn on PLOT 2
Step 4: Choose the line plot with the points connected
Step 5: Enter L1 for the X List, and L3 for the Y List.
Step 6: Choose the Mark with the plus.
Step 7: Hit ZOOM and select option 9 (ZOOM STAT)
Step 8: Hit GRAPH

Sketch what you see.
Step 1: Enter 2nd Y=
Step 2: Select option 3 PLOT 3
Step 3: Turn on PLOT 3
Step 4: Choose the line plot with the points connected
Step 5: Enter L1 for the X List, and L4 for the Y List.
Step 6: Choose the Mark with the dot.
Step 7: Hit ZOOM and select option 9 (ZOOM STAT)
Step 8: Hit GRAPH

Sketch what you see.

If you want to turn off some of the plots, follow these steps. There are two ways to accomplish this.

Step 1: Enter 2nd Y=
Step 2: Select option for the plot that you want to turn off
Step 3: Turn Off PLOT

Or

Step 1: Enter Y=
Step 2: Arrow Up
Step 3: Highlight the Plot you want to turn off (or on)
Step 4: Hit Enter

Try plotting only PLOT1 and PLOT3

Sketch what you see.