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Cell Phone Rates Comparison Using Stella, GSP, and TI

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Name _____ Per ____ Date _____

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 2nd + to get to the MEMORY Screen.

Step 2: Select option 4: ClrAllLists

Step 3: Hit enter

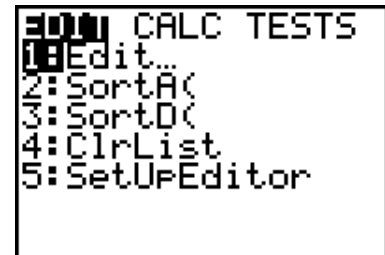


What word did you see when you hit enter? _____

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? _____

L1	L2	L3	1
-----	-----	-----	
L1() =			

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.

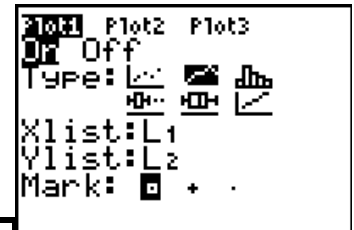
Use ALPHA 1 to enter L1, ALPHA 2, to enter L2, etc..



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

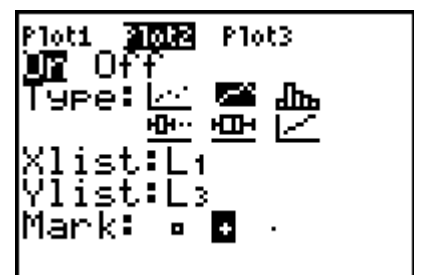
Step 4: Choose the line plot with the points connected

Step 5: Enter L1 for the X List, and L3 for the Y List.

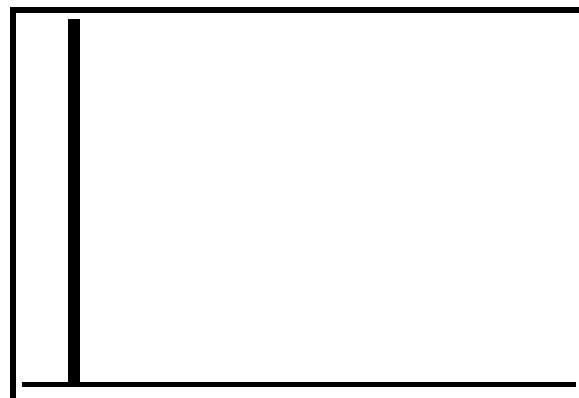
Step 6: Choose the Mark with the plus.

Step 7: Hit ZOOM and select option 9 (ZOOM STAT)

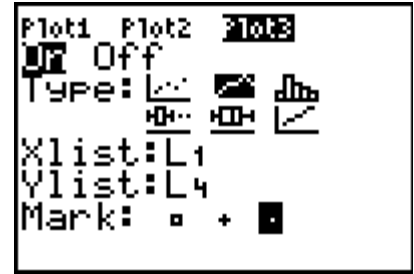
Step 8: Hit GRAPH



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

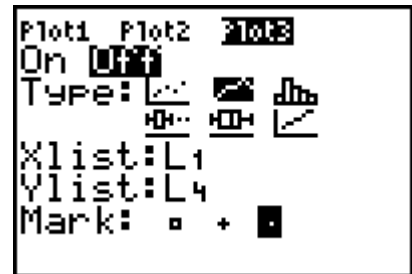


Sketch what you see.



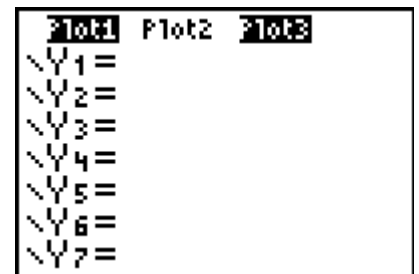
If you want to turn off some of the plots, follow these steps. There are two ways to accomplish this.

- 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.

