How to Create a Scatter Plot

1. Turn your calculator ON.
2. Press the [MODE] button.
3. When function is highlighted use your cursor to enter ▶.

![MODE menu]

4. When function is highlighted again press ENTER twice.
5. Press [APPS] button.
6. Use your cursor to scroll down to ▶ 6, and then scroll to the side ▶.

![APPS menu]

7. Use your cursor to scroll down to ▶ to NEW, and press ENTER.

![Current Matrix Editor]

8. You are now in the data matrix editor.
9. Use your cursor to scroll down to ▶ Variable.
10. Press 2nd ON and using your letters type in a name of your choice.

![Variable editor]

11. Then press 0 again to exit.

13. You are now ready to enter your data.

<table>
<thead>
<tr>
<th>DATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
</tr>
<tr>
<td>2</td>
</tr>
<tr>
<td>3</td>
</tr>
<tr>
<td>4</td>
</tr>
</tbody>
</table>

You can use your cursor to move to the different cells and press after you enter each piece of data.

Enter your desired data now.

14. To sort the data in ascending order, go to the cell in row 1 and column 1 using your cursor.

<table>
<thead>
<tr>
<th>DATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
</tr>
<tr>
<td>2</td>
</tr>
<tr>
<td>3</td>
</tr>
<tr>
<td>4</td>
</tr>
</tbody>
</table>

Press 2nd scroll down to 4 and press ENTER.

15. To calculate the MedMed regression equation, press and scroll over.

Then scroll down to 7 and press ENTER.

Then scroll down to the X. Press and enter C1.
Then scroll down ✔ to the Y. Press \textbf{ALPHA} and enter C2.

Then scroll down ✔ to the Store RegEQ. Scroll ➔ and scroll down one ✔ and press \textbf{ENTER} twice.

16. Press \textbf{ENTER} when you are done viewing the MedMed regression equation.
17. To plot as a scatter plot, press \textbf{A} and you are in the Plot Setup screen.

Press [" to define the type of plot, and press the cursor over ➔ to enter. Scroll to the SCATTER and press \textbf{ENTER}.

Scroll down to ✔ MARK, and press the cursor over ➔ to enter.
Scroll to the BOX and press **ENTER**.

Then scroll down ▼ to the X. Press **ALPHA** and enter C1.

Then scroll down ▼ to the Y. Press **ALPHA** and enter C2.

Press **ENTER** twice.

18. Now you are ready to display your graph. Press **Y** and [Y=].

Press **2nd** 2 to set the display style to DOT. Scroll to highlight PLOT 1.
Then press \text{A} and \text{9}.

Your scatter plot should appear on the screen.

19. To get back to the current session of the Data/Matrix Editor containing your data press \text{APPS 6 1}.

20. To get back to the scatter plot for your current data press \text{Y=A 9}.

21. To clear your data, while in the Data/Matrix Editor press \text{["B ENTER}.
Now you may enter new data or exit the Data/Matrix Editor.

22. To exit the Data/Matrix Editor press [HOME].