Math 110

Notes for Statistics

Calculator Instructions for storing and plotting data

1. Preparing the STAT editor:

First steps: If you are plotting points for the first time or you haven't used the Statistics editor for a while, start here.

Turning ON the STAT PLOT:

Go to the STAT PLOT menu by pressing \[2^{nd}\] \[Y=\] and then press \[\text{ENTER}\] with the cursor on 1:Plot 1

Turn on the STAT PLOT by pressing \[\text{ENTER}\] with the cursor on ON and highlight the Type and Mark as shown.

Clearing the STAT editor:

To clear the statistics editor start by pressing \[\text{STAT}\]

Then press \[\text{ENTER}\] or the \[1\] key to get to the statistics editor

Use the up arrow to move to the very top of the list so that L1 is highlighted

Press the \[\text{CLEAR}\] key (notice that the list on the bottom line disappears) and then the \[\text{ENTER}\] key

Repeat steps (3) – (5) to clear any other list:

Move the cursor to the very top of list 2 so that L2 is highlighted

Press the \[\text{CLEAR}\] key (notice that the list on the bottom line disappears) and then the \[\text{ENTER}\] key

Alternatively,

Press the \[\text{STAT}\] button and then \[4\] (ClrList)

Now type in \[2^{nd}\] \[1\] to get L1, then type a comma, and follow it with \[2^{nd}\] \[2\] to get L2, (etc.)

then press \[\text{ENTER}\]
2. Entering Data and Graphing:

Example: Enter the table below in the statistics editor:

<table>
<thead>
<tr>
<th>x</th>
<th>0</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td>y</td>
<td>-7</td>
<td>-4</td>
<td>-1</td>
<td>2</td>
<td>5</td>
<td>8</td>
<td>11</td>
</tr>
</tbody>
</table>

To put data into the statistics editor: Press the STAT button and then ENTER with the cursor on EDIT (1)

Begin entering data by putting x values in L1 (pressing ENTER after each number) and y values in L2 (2)

Go to the ZOOM menu and press 9 (Zoom Stat) and the graph will follow. (3) & (4)

3. Turning Plots Off*:

If you don’t want to keep graphing the stats lists (or if you don’t have anything in your stats editor),

Go to the STAT PLOT menu by pressing 2nd Y= (1)

Press 4 (PlotsOff) (2) and then ENTER. (3)

* If you get the following error when you are trying to graph something, follow the instructions above in #5.