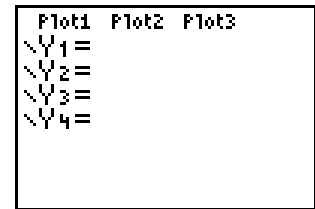


Appendix D

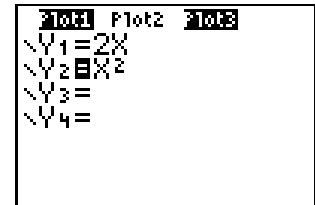
Setting Up Statistical Plots

Statistical plots (stat plots) are graphical representations of data that has been stored in lists.

1. Make sure you have entered the data into the lists.
2. Make sure you have turned off any equations in $\boxed{Y=}$ editor or cleared them out unless you want to graph them with your stat plot. Press $\boxed{Y=}$ to check this out. This screen will also tell you if any of the three plots are on.
 - a. To turn off Plots 1 and 3 move your cursor up to the top row on Plot 1, then press \boxed{ENTER} . Do the same with Plot 3.
 - b. To turn off Y2, move your cursor to the = sign and press \boxed{ENTER} .



All plots off and nothing in Y=



Plots 1 and 3 ON and equations in Y1 and Y2

3. Set up the statistical plot by pressing $\boxed{2nd}$ \boxed{PLOT} .
 - a. Decide which plot you want to turn on and press that number. The cursor will be blinking on **ON**.
 - b. Press \boxed{ENTER} .
 - c. Press $\boxed{\downarrow}$ to move down to **Type**.
 - d. Use $\boxed{\rightarrow}$ to move to the type you prefer and then press \boxed{ENTER} .
Options:

$\boxed{\cdot}$ Scatterplot

$\boxed{\sim}$ Line graph

$\boxed{\equiv}$ Pictograph

$\boxed{\text{||||}}$ Bar Graph

$\boxed{\odot}$ Pie chart

$\boxed{\text{||||}}$ Histogram

$\boxed{\text{---}}$ Box Plot

$\boxed{\text{---}}$ Modified Box Plot

4. Define the **Xlist** and **Ylist** for 2-variable statistics as in Scatterplots and Line graphs. To access the named lists press **2nd**[STAT], make your selection, and press **ENTER**. Categorical lists must be used for Pictographs, Bar Graphs and Pie Charts. The categorical named lists are found in the same location as the other lists (**2nd**[STAT]). Follow the directions in the activity to set up or define the plot.
5. Set the **WINDOW** according to the activity instructions or press **ZOOM** **7:ZoomStat** to have the calculator set the window.
6. **GRAPH** the statistical plot.