

Create a frequency polygon using the TI. We will store the years in  $L_1$  by letting  $1995 = 0$ ,  $1996 = 1$ ,  $1997 = 2$ , etc. up to  $2005 = 10$ . We will store the number of tornadoes for each year in  $L_2$ .

To enter data:

Push the Stat key. Choose Edit. Select  $L_1$ . If you need to clear this list,  $\blacktriangle$  until the  $L_1$  is highlighted, press Clear and then Enter. Enter the numbers 0 – 10 in this column. Cursor over to  $L_2$  (clear if you need to). Enter the number of tornadoes in this column.

Push  $2^{\text{nd}}$  and then Y= to get to the stat plots. Select Plot 1. Turn the plot on. Select the connected dot graph. X-List:  $L_1$ , Y-List:  $L_2$ , select the first mark to graph with.

Push Window. Set x min = -1, x max = 11, Xscl = 1, y min = -1, y max = 20, Yscl = 2.

Push Graph.

The frequency polygon should be displayed in the viewing window.

Accurately draw this graph on graph paper. Remember to label the x and y axis. Give the graph a title.

Answer the essay question -- use the data from the graph to help justify your answer.