Generating Box Plots (Box and Whisker Diagrams)

A box plot, also called a box and whisker diagram, is a plot of the “five number summary” of a single numeric data set. The five numbers are: Min, Q1, Med, Q3, Max.

Enter the data into a list. In this example we are using L4.

Press 2ndY= to access the STAT PLOTS menu, and select one of the plots (we will use Plot1) for the box plot.

First, turn Plot1 on by highlighting On on the second line and pressing ENTER. Next, select the box plot (Ö) type for Plot1.

For the Xlist, enter the list which contains the data for the plot. If the data are entered in two lists as values and frequencies, enter the values list as the Xlist and the frequency list as the YList, otherwise enter 1 for the frequency.

To set the window for a box plot, use the ZoomStat feature of the ZOOM menu. Press the ZOOM key and scroll down to ZoomStat and press ENTER or press the 9 key.