

Creating Box Plots in Excel 97

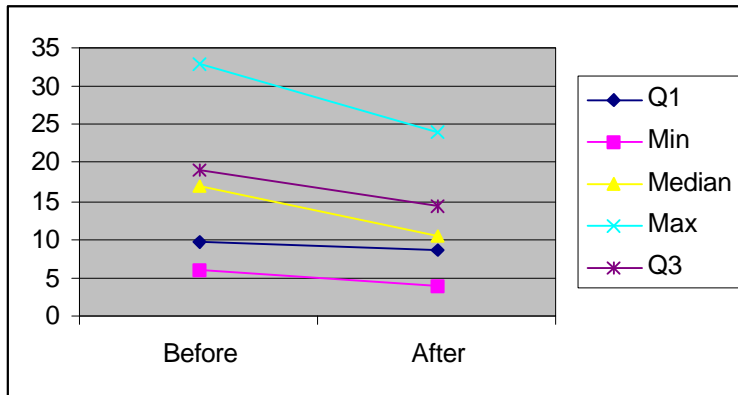
Background: Read section 2.7 on page 2-71 in the basic statistics book for more detail on the box plot. Also the file **Box plots.xls** contains two examples.

Procedure:

1. For each column of data calculate the 1st quartile, minimum, median, max, and 3rd quartile. This is done using the commands QUARTILE(:,1), MIN(:), MEDIAN(:), QUARTILE(:,3). Arrange the information as shown below:

	Before	After
Q1	9.75	8.5
Min	6	4
Median	17	10.5
Max	33	24
Q3	19	14.25

2. Select this entire table and then click on the **chart wizard** to create a **line chart**. At step 2 of the chart wizard **select series in rows**. When you **finish** the chart should look like the following:



3. On the graph, double click each line and use **Format Data Series > Pattern > Lines > None** to remove all the connecting lines.

4. On the graph, double click one data series and use **Format Data Series > Options** Select **High-low lines** and **up-down bars**. The graph should appear as follows:

