STAT 110
Chapter 11 Definitions

How to Make a Histogram
1. Divide the range of the data into classes of equal width.
2. Count the number of individuals in each class.
3. Draw the histogram.

outlier – an individual observation that falls outside the overall pattern of the graph

symmetric – the right and left sides of the histogram are approximately mirror images of each other

skewed right – the right side of the histogram (the half with the larger values) extends much farther than the left

skewed left – the left side of the histogram (the half containing the smaller values) extends much farther than the right

To make a Stemplot:
1. Separate each observation into a stem and a leaf. Stems may have any number of digits, but a leaf is only a single value.
2. Write the stems in a vertical column with the smallest at the top.
3. Draw a vertical line at the right of this column.
4. Write each leaf in the row to the right of its stem, in increasing order out from the stem.