S3. Displaying data

Questions:

1. The primary purpose of plotting data is to make them \_\_\_\_\_.
2. The endpoints of an interval are called \_\_\_\_\_.
3. figure that plots various values of the dependent variable on the X axis and the frequencies on the Y axis is called \_\_\_\_\_.
4. The optimal number of intervals for a histogram is -----------
5. List three different terms for describing the shape of a distribution.
6. A positively skewed distribution has a tail stretching out to the right. (T or F)

Answers:

1. interpretable
2. the real upper and real lower limits
3. a histogram—though some people also refer to it as a frequency distribution
4. whatever makes the figure show the most useful description of the data without creating too many or too few intervals
5. Symmetry, modality, and skewness
6. True