Section 2.3 and 2.4: Visualizing Variation in Categorical Variables, Summarizing Categorical Distributions

**LEARNING OBJECTIVES:** You will

- Understand that a distribution of a sample of data displays a variable’s values and the frequencies (or relative frequencies) of those values.

- Know how to make graphs of distributions of categorical variables and how to interpret the graphs in context.

- Be able to compare centers and spreads of distributions of samples informally.

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**Read** sections 2.3, 2.4, and 2.5 pp. 49-57 in the textbook or e-book

**Watch** ActivStats video on p. 49, *Learn About Bar Charts*

Be able to answer the study questions in the video

**Know** the difference s between a bar chart and a histogram and a Pareto chart and a bar chart. Also know the why a pie graph is not commonly used by statisticians.

**Do** the TRY IT exercise on p. 53, p.54, and p. 55