

Chapter 2: Displaying and Describing One Categorical Variable

Recall from Chapter One that categorical variables are variables that take on _____ as _____.

There are three main ways we extract information about categorical variables:

- **Counts(frequencies):**

- **Proportions:**

- **Percentages:**

When we encounter a categorical variable in *the wild*, it is often useful to

- 1.

- 2.

This process is known as describing the _____ of the categorical variable. We can summarize the distribution of a single categorical variable by using data visualizations:

1. Frequency/Relative Frequency Table

2. Bar Chart

3. Pie Chart ☺

Frequency Table/Relative Frequency Table

Bar Chart

Important Characteristics

- Order of bars does not matter
- There are spaces between the bars
- Do not need to have all categories displayed
- does not necessarily show the shape of the distribution

Pie Chart ☹

Important Characteristics