

## CHAPTER 3(I)

### DISPLAYING CATEGORICAL DATA

## CATEGORICAL DATA

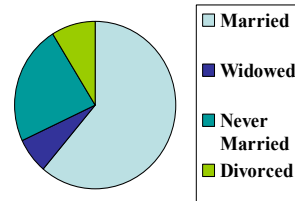
- Variables that are displayed as labels.
  - Gender
    - male or female
  - Marital Status
    - single, married, widowed, divorced

## Describing Categorical Data

- Pie Chart
  - Displays percentage of whole for each category.
  - Must include all possible categories.

## Example of Pie Chart

- Marital Status
  - 61% Married
  - 7 % Widowed
  - 23% Never Married
  - 9% Divorced



## Describing Categorical Data

- Bar Charts
  - Displays either number or percentage for each category.
  - Not necessary to show all possible categories.

## Example of Bar Graph

- Number of students enrolled in certain majors.
  - 2,105 Engineering
  - 1,550 Business
  - 1,025 Biological Sciences
- the number in each category is called the frequency or count.

