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Chapter 1

Descriptive Statistics

- 1.1 Populations, Samples, and Processes
- 1.2 Pictorial and Tabular Methods in Descriptive Statistics
- 1.3 Measures of Location
- 1.4 Measures of Variability

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When desired information is available for

- all objects in the population: **Census**
- a subset of the population: **Sample**

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A Variable is

any characteristic whose value may change from one object to another in the population. Variables may be

- **categorical**
- **numerical**
 - **discrete**
 - **continuous**

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Data Sets

result from making observations. They may be

- **univariate**
- **bivariate**
- **multivariate**

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Statistical Studies may be

- **enumerative** (interest is focused on a finite, identifiable, unchanging collection of individuals or objects that make up the population)
- **analytic** (i.e., not enumerative)

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