

**TABLE 8.1**

## A Review of the Notations Used for the Mean, Variance, and Standard Deviation in Populations, Samples, and Sampling Distributions

Characteristic	Population	Sample	Sampling Distribution
Mean	$\mu$	$M$ or $\bar{X}$	$\mu_M = \mu$
Variance	$\sigma^2$	$s^2$ or $SD^2$	$\sigma_M^2 = \frac{\sigma^2}{n}$
Standard deviation	$\sigma$	$s$ or $SD$	$\sigma_M = \frac{\sigma}{\sqrt{n}}$