

## Statistics Formulas

Statistical Measures:

Mean:  $\bar{x} = \frac{\sum x}{n}$       Median: middle value      Mode: most frequent value(s)

Sample Variance:  $s^2 = \frac{\sum (x - \bar{x})^2}{n - 1}$  or  $s^2 = \frac{1}{(n - 1)} \left[ \sum x^2 - \frac{(\sum x)^2}{n} \right]$

Sample Standard Deviation:  $s = \sqrt{s^2}$