**Mean**

**Standard Deviation**

**Least-Squares Regression Line,**

**Slope, and Intercept**

**Residuals**

Residual = observed – predicted =

**Correlation,** r

**Coefficient of Determination,**

**Probability Rules**

* Any probability satisfies 0 ≤ P(A) ≤ 1.
* The sample space S has probability P(S) = 1.
* If events A and B are disjoint, P(A or B) = P(A) + P(B).
* For any even A, P(A does not occur) = 1 – P(A).

**Confidence Intervals about a Mean**

**Confidence Intervals about a Proportion**

M=desired margin of error

**Binomial Probability**

**Binomial Mean and Std Dev.**

μ = np

**Standardized Value of x**

**Normal Approximation Standardized   
Value of**

**Sampling Distribution Standardized**

**Value of**