Formula Sheet – Test 1 – SCCC 312A – Spring 2005

\[ s^2 = \frac{\sum(x - \bar{x})^2}{n - 1} \]

\[ 1 - \frac{1}{k^2} \]

\[ P(A \ or \ B) = P(A) + P(B) - P(A \ and \ B) \]

\[ P(A|B) = \frac{P(A \ and \ B)}{P(B)} \]

\[ P(A \ and \ B) = P(B)P(A|B) \]

or

\[ P(A \ and \ B) = P(A)P(B|A) \]