**Mean of a Sample**

**Variance**

**Standard Deviation**

**Permutation**

**Combination**

**Conditional Probability**

**Conditional Probability** *(if A and B are independent)*

**Multiplicative Law of Probability** *(if A and B are dependent)*

**Multiplicative Law of Probability** *(if A and B are independent)*

**Additive Law of Probability**

**Additive Law of Probability** *(if A and B are mutually exclusive and )*

**Bayes’ Rule**

**Expected Value**

**Binomial Distribution**

**Geometric Distribution**

**Hypergeometric Distribution**

**Poisson Distribution**

**Tchebysheff’s Theorem**

**Cumulative Distribution Function**

**Probability Density Function**

**Expected Value (continuous variable)**