4. Mean
5. Mean (Frequency Table)

4. sample Standard Deviation
5. S= sample Standard Deviation (Shortcut)
6. Population Standard Deviation
7. for sample

10. P(A or B) = P(A) + P(B) ; if A, B are mutually exclusive
11. P(A orB) = P(A) + P(B) – P(A and B)

If A, B are not mutually exclusive



Multiplication Rule

2. Conditional Probability
3. Probability distribution Requirements
   1. There is numerical random variable x and its value are associated with corresponding probability.
   2. , where X assumes all possible value.
   3. , for every individual value of the random variable X.
4. Mean of the probability distribution.
5. Variance
6. Variance
7. Standard Deviation
8. Standard Deviation
9. (Binomial Probability)

1. , where e=2.71828 Poisson Probability

2. Estimation of Population Proportion p.

Where

1. Estimation of Population mean with not known

Where

Where

1. Estimation of Population mean with known

Where

Where

1. Estimation of Population standard deviation or variance

Where

1. Testing of a claim about a population proportion p.

1. Testing of a claim about a population mean with not known.

1. Testing of a claim about a population mean with known.

1. Testing of a claim about or.