Glossary

1. **Discrete uniform distribution**
   The discrete uniform distribution is a probability distribution whereby, a finite number of equally spaced values are equally likely to be observed. Every one of n values has equal probability1/n.

2. **Function**
   It is a quantity whose value depends on the value given to one or more related quantities.

3. **Probability**
   A number expressing the likelihood that a specific event will occur expressed as the ratio of the number of actual occurrences to the number of possible occurrences.

4. **Mean**
   It is the average value of a set of numbers.

5. **Variance**
   It is the square of the standard deviation.

6. **Median**
   Relating to or constituting the middle value in a distribution.

7. **Mean deviation**
   It is the difference between an observed value of a variable and it's mean

8. **Moment**
   It is the expected value of a positive integral power of a random variable. The first moment is the mean of the distribution.

9. **Skewness**
   It is non symmetrical about the mean.

10. **Kurtosis**
    It is the general form or a quantity indicative of the general form of a statistical frequency curve near the mean of the distribution.

11. **Random variable**
    It is a variable whose values are random but whose statistical distribution is known.

12. **Probability Mass Function**
    Let S be the set of integers, then probability mass function of the discrete uniform distribution having n values is given by,
    $p(x) = 1/n, \; a < x < b$
    $= 0$ otherwise

13. **Cumulative**
    Of or relating to the sum of the frequencies of experimentally determined values of a random variable that are less than or equal to a specified value.

14. **Distribution**
    In Statistics, distribution is a set of numbers and their frequency of occurrence collected from measurements over a statistical population

15. **Allies**
    To place in a friendly association, as by treaty.