Unit 04: MOMENTS

1. _____inequality is a probabilistic inequality.

Chebyshev's	Bayes	Charles	All of the above

2. _____are a set of statistical parameters to measure a distribution.

Moments	Kurtosis	Skewness	Variance

3. First Moment is ___

Mean	Median	Variance	Skewness

4. Standard deviation is the square root of the _____-

Mean	Median	Variance	Skewness

5. Third Moment is

Mean	Median	Variance	Skewness

6. _____ also known as the expected value, which is the summation of all possible values from a random variable.

Mathematical expectation	Skewness	Kurtosis	Random variable

7. Mathematically, a _____is a real-valued function whose domain is a sample space S of a random experiment.

Mathematical expectation	Skewness	Kurtosis	Random variable

8. In probability theory and statistics, the _____ of a real-valued random variable is an alternative specification of its probability distribution

Mathematical expectation	Skewness	Kurtosis	Moment generating function

9. Binomial distribution is

Discrete distribution	Continuous distribution	Normal distribution	Poison distribution

10. Poison distribution is

Discrete distribution | Continuous distribution | Normal distribution | Poison distribution

11. In probability theory, a _____is a type of continuous probability distribution

Geometric Distribution | Bayes distribution | Normal distribution | Poison distribution

12. In probability theory and statistics, the _____ with parameters n and p is the discrete probability distribution.

Binomial Distribution | Bayes distribution | Normal distribution | Poison distribution

13. The middle value measure of central tendency in a dataset that is arranged in ascending order

Mean | Median | Mode | All of the above

14. In probability theory and statistics, the _____ of a probability distribution are a set of quantities that provide an alternative to the moments of the distribution.

Cumulants | Mean | Median | Mode

15. If skewness is _____the mean is smaller than the median and the distribution has a large tail of small values.

Negative | Positive | Zero | All of the above