

Glossary

1. Standard Error

Standard error is a measure of the statistical accuracy of an estimate, equal to the standard deviation of the theoretical distribution of a large population of such estimates.

2. Average

An average is the result obtained by adding several quantities together and then dividing this total by the number of quantities.

3. Standard deviation

This is a quantity calculated to indicate the extent of deviation for a group as a whole.

4. Distribution

Distribution is an arrangement of values of a variable showing their observed or theoretical frequency of occurrence.

5. Variance

In probability theory and statistics, the variance is used as one of several descriptors of a distribution. It describes how far values lie from the mean.

6. Sample

In statistics, a sample is a subset of a population.

7. Mean

A mean is defined as an average of n numbers computed by adding some function of the numbers and dividing by some function of n .

8. Population

In statistics, a statistical population is a set of entities concerning which statistical inferences are to be drawn.

9. Estimator

In statistics, an estimator or point estimate is a statistic (that is, a measurable function of the data) that is used to infer the value of an unknown parameter in a statistical model.

10. Biased estimator

In statistics, bias (or bias function) of an estimator is the difference between this estimator's expected value and the true value of the parameter being estimated.

11. Unbiased estimator

An estimator or decision rule with zero bias is called unbiased.

12. Sigma

The symbol Σ , used to indicate summation of a set or series; The symbol σ , used to indicate one standard deviation from the mean, particularly in a normal distribution

13. Survey

In Statistics, surveys are used to collect quantitative information about items in a population.

14. Probability

The chance that a phenomenon has of occurring randomly is called probability. As a statistical measure, it is shown as p (the "p" factor).

15. Theorem

Theorem is a mathematical statement of some importance that has been proven to be true.