

STATISTICS WORKSHEET-3

1. Which of the following is the correct formula for total variation?
d) All of the mentioned
2. Collection of exchangeable binary outcomes for the same covariate data are called outcomes.
c) binomial
3. How many outcomes are possible with Bernoulli trial?
a) 2
4. If H_0 is true and we reject it is called
a) Type-I error
5. Level of significance is also called:
c) Level of confidence
6. The chance of rejecting a true hypothesis decreases when sample size is:
b) Increase
7. Which of the following testing is concerned with making decisions using data?
b) Hypothesis
8. What is the purpose of multiple testing in statistical inference?
d) All of the mentioned
9. Normalized data are centred at and have units equal to standard deviations of the original data
a) 0

10. What Is Bayes' Theorem?

Ans- Bayes' theorem states that the conditional probability of an event, based on the occurrence of another event, is equal to the likelihood of the second event given the first event multiplied by the probability of the first event.

11. What is z-score?

Ans- Z- score indicates how much a given value differs from the standard deviations.

12. What is t-test?

Ans – T- tests is a statistical test that compares the means of two samples.

13. What is percentile?

Ans – It is a term that describe how a score compare to other scores from the same set.

14. What is ANOVA?

Ans – ANOVA is stands for Analysis of variance is a statistical formula used to compare variance across the means of different groups.

15. How can ANOVA help?

Ans- ANOVA helps to analyze the difference between the means of more than two groups.