

STATISTICS WORKSHEET-5

Q1 to Q10 are MCQs with only one correct answer. Choose the correct option.

1. Using a goodness of fit, we can assess whether a set of obtained frequencies differ from a set of frequencies.

- a) Mean b) Actual c) Predicted d) Expected

ANS :- c) Predicted

2. Chi-square is used to analyse

- a) Score b) Rank c) Frequencies d) All of these

ANS:- d) All of these

3. What is the mean of a Chi Square distribution with 6 degrees of freedom?

- a) 4 b) 12 c) 6 d) 8

ANS :- c) 6

4. Which of these distributions is used for a goodness of fit testing?

- a) Normal distribution b) Chi-squared distribution
c) Gamma distribution d) Poisson distribution

ANS:- b) Chi-squared distribution

5. Which of the following distributions is Continuous

- a) Binomial Distribution b) Hypergeometric Distribution
c) F Distribution d) Poisson Distribution

ANS :- d) Poisson Distribution

6. A statement made about a population for testing purpose is called?

- a) Statistic b) Hypothesis c) Level of Significance d) Test Statistic

ANS :- b) Hypothesis

7. If the assumed hypothesis is tested for rejection considering it to be true is called?

- a) Null Hypothesis
- b) Statistical Hypothesis
- c) Simple Hypothesis
- d) Composite Hypothesis

ANS :- a) Null Hypothesis

8. If the Critical region is evenly distributed then the test is referred as?

- a) Two tailed
- b) One tailed
- c) Three tailed
- d) Zero tailed

ANS :- a) Two tailed

9. Alternative Hypothesis is also called as?

- a) Composite hypothesis
- b) Research Hypothesis
- c) Simple Hypothesis
- d) Null Hypothesis

ANS :- b) Research Hypothesis

10. In a Binomial Distribution, if 'n' is the number of trials and 'p' is the probability of success, then the mean value is given by

- a) np
- b) n

ANS :- a) np