

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: d) Expected

2. Chi-square is used to analyse

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

Ans: c) Frequencies

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: c) F 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