

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

Answer d. Expected

2. Chisquare is used to analyse?
 - a) Score
 - b) Rank
 - c) Frequencies
 - d) All of these

Answer 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

Answer c. 6

4. Which of these distributions is used for a goodness of fit testing?
 - a) Normal distribution
 - b) Chisquared distribution
 - c) Gamma distribution
 - d) Poission distribution

Answer b. Chisquared distribution

5. Which of the following distributions is Continuous
 - a) Binomial Distribution
 - b) Hypergeometric Distribution
 - c) F Distribution
 - d) Poisson Distribution

Answer c. F Distribution

6. A statement made about a population for testing purpose is called?
 - a) Statistic
 - b) Hypothesis
 - c) Level of Significance
 - d) TestStatistic

Answer 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

Answer c. 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

Answer a. Two tailed

9. Alternative Hypothesis is also called as?

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

Answer 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

Answer a. np