

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. Chi-square 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) Chi-squared distribution
 - c) Gamma distribution
 - d) Poisson distribution

Answer: b) Chi-squared 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: 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

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



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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

