

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 analyze

- 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: b) 12

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

- a) Normal distribution
- b) Chisquared distribution
- c) Gamma distribution

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d) Poisson distribution

Answer: b) Chisqared 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

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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

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