

WORKSHEET

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) TestStatistic

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**

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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

Ans: **a) np**