

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 :- A) Normal 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?

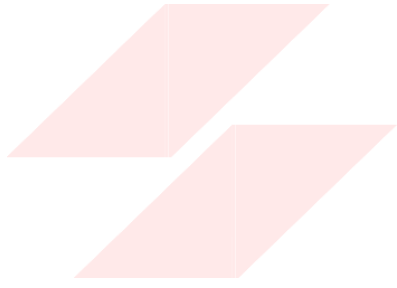
- A)Composite hypothesis
- B)Research Hypothesis
- C)Simple Hypothesis
- D)Null Hypothesis

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



FLIP ROBO