Statistics_Worksheet-5

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) Chisqared distribution

c) Gamma distribution

d) Poission distribution

Ans → b) Chi-square 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