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

2. Chisquare is used to analyse
   a) Score
   b) Rank
   c) Frequencies
   d) All of these

2 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 : chisquared distribution.

5. Which of the following distriutions is Continuous
   a) Binomial Distribution
   b) Hypergeometric Distribution
   c) F Distribution
   d) Poisson Distribution

   Ans : F-distribution

6. A statement made about a population for testing purpose is called? a) Statistic
   b) Hypothesis
   c) Level of Significance
   d) TestStatistic

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 . (though, the question is not so clear to me)

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 distribution.

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 where n= no of trails and p = probability of success.

FLIP ROBO