

ASSIGNMENT 4 = STATISTICS (MCQs)

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.

Answer: d) Expected

2. Chi-square is used to analyze

Answer: c) Frequencies

3. What is the mean of a Chi Square distribution with 6 degrees of freedom?

Answer: c) 6

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

Answer: b) Chi-squared distribution

5. Which of the following distributions is Continuous

Answer: c) F-Distribution

6. A statement made about a population for testing purpose is called?

Answer: b) Hypothesis

7. If the assumed hypothesis is tested for rejection considering it to be true is called?

Answer: a) Null Hypothesis

8. If the Critical region is evenly distributed then the test is referred as?

Answer: a) Two tailed

9. Alternative Hypothesis is also called as?

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 _____

Answer: a) np