

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.
- Mean
 - Actual
 - Predicted
 - Expected

Answer: Option D – Expected

2. Chisquare is used to analyse
- Score
 - Rank
 - Frequencies
 - All of these

Answer: Option C - Frequencies

3. What is the mean of a Chi Square distribution with 6 degrees of freedom?
- 4
 - 12
 - 6
 - 8

Answer: Option C – 6

4. Which of these distributions is used for a goodness of fit testing?
- Normal distribution
 - Chisquared distribution
 - Gamma distribution
 - Poisson distribution

Answer: Option B – Chisquared distribution

5. Which of the following distributions is Continuous
- Binomial Distribution
 - Hypergeometric Distribution
 - F Distribution
 - Poisson Distribution

Answer: Option C – F Distribution

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

Answer: Option 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

Answer: Option 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

Answer: Option A – Two tailed

9. Alternative Hypothesis is also called as?
- a) Composite hypothesis
 - b) Research Hypothesis
 - c) Simple Hypothesis
 - d) Null Hypothesis

Answer: Option 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

Answer: Option A – np
