

WORKSHEET - 5 STATISTICS

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

Answer – d) Expected

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

Answer – 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

Answer – c) 6

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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

Answer – b) Chisqared distribution

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

Answer – c) F Distribution

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

Answer – 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 – a) Null Hypothesis

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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 – a) Two Tailed

9. Alternative Hypothesis is also called as?

- a) Composite hypothesis
- b) Research Hypothesis
- c) Simple Hypothesis
- d) Null Hypothesis

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 _____

- a) np
- b) n

Answer – a) np