

STATISTICS – WORKSHEET 3

Q1 to Q15 are MCQs with one or more than one correct answer. Choose all the correct options.

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 testing hypothesis?		
	A) Normal distribution	B) Chi - squared distribution	
	C) Gamma distribution	D) Poisson distribution	
	Ans: B) Chi - squared distribution		
5.	Which of the following distributions is Continuous?		
	A) Binomial Distribution	B) Hyper-geometric 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?		
0.	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, the mean value is given by			
	A) np	B) n		
	C) p	D) np(1-p)		
	Ans: A) np			
11	Binomial Distribution is a			
11.	A) Continuous distribution	B) Discrete distribution		
	C) Irregular distribution	D) Not a Probability distribution		
	Ans: B) Discrete distribution	,		
	Ans. b) Discrete distribution			
12.	If 'p', 'q' and 'n' are probability pf success, failure and number of trials respectively in a Binomial Distribution, what is its Standard Deviation?			
	A) \sqrt{np}	B) √pq		
	C) $(np)^2$	D) √npq		
	Ans: D) √npq			
13.	A Null Hypothesis has Level of Significance 9%. For what values of Level of Significances it will be rejected?			
	A) 0.99	B) 0.009		
	C) 0.099	D) 0.9		
	Ans: 0.09			
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14.	The range of Level of Significance lies between A) $-\infty$ and 0	B) $-\infty$ and ∞		
	C) 0 and ∞	D) 0 and 1		
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	Ans: D) 0 and 1			
15.	The effect of rejection of a hypothesis with decrease in	rejection of a hypothesis with decrease in sample size .		
	A) decreases	B) increases		
	C) remains constant	D) fluctuates		
	ANS: B) increases			