

ICS Part 2 Statistics Chapter 13 Online Test

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Sr	Questions	Answers Choice
1	Given= μ 0 = 170, X = 190, σ = 36 and n = 9; which statistic is appropriate?	A. t B. z C. x2 D. F
2	Hypothesis that does not completely specify the underlying population distribution is called	A. simple hypothesis B. dual hypothesis C. composite hypothesis D. common hypothesis
3	If the null hypothesis is false, we many accept it leading to a decision	A. true B. correct C. wrong D. none of these
4	Which of the following is not composite hypothesis?	A. $\sup \mu \le \lambda t; \mu < \sup ^ \mu B. \mu \le \lambda t; \mu <\sup 0 C. \mu = \mu \le t <0 $
5	An automobile is driven on the average on more than 1600 kilometers per year, the null hypothesis is	A. H _o : µ = 16000 kilometers B. H _o : µ ≤ 16000 kilometers C. H _o : µ < 16000 kilometers D. H _o : µ > 16000 kilometers
6	The hypothesis which we are willing to accept when the null hypothesis is rejected is called	A. simple hypothesis B. composite hypothesis C. null hypothesis D. alternative hypothesis
7	A quantitative statement about a population is called:	A. Research hypothesis B. Composite hypothesis C. Simple hypothesis D. Statistical hypothesis
8	If we reject Ho when Ho is actually true then it is	A. type - I error B. type - II error C. type - III error D. type - IV error
9	1 -&=nbsp;α is call:	A. Confidence coefficient B. Power of the test C. Size of the test D. Level of significance
10	Which hypothesis is always in an inequality form?	A. Simple hypothesis B. Alternative hypothesis C. Null hypothesis D. Composite hypothesis
11	A statement about the value of a population parameter is called:	A. Null hypothesis B. Alternative hypothesis C. Simple hypothesis D. Composite hypothesis
12	The alternative hypothesis always contains the sign of	A. equality B. inequality C. ratio D. proportion
13	If critical region is located equally in both tails of the sampling distribution of test statistic, the test is called test	A. one tailed B. two tailed C. left tailed D. right tailed
14	The hypothesis which is tested for possible rejection is called	A. common hypothesis B. null hypothesis C. alternative hypothesis

		D. wrong hypothesis
15	A statistical hypothesis is an assertion or conjecture about the distribution of random variables	A. one B. two C. one or more
		D. three A. acceptance region
16	A region for which the H _o is rejected is called	B. rejection region C. critical region D. both b and c
17	A hypothesis that specifies all the value of parameter is called:	A. Statistical hypothesis B. Simple hypothesis C. Composite hypothesis D. None of these
18	Suppose that the null hypothesis is true and it is rejected, is known as:	A. α type-I error, and its probability is β B. α type-I error, and its probability is α C. α type-II error, and its probability is α D. α type-II error, and its probability is
19	A statistic on the basis of which a decision is made about the hypothesis of interest is called	A. critical region B. test statistic C. parameter D. rejection region
20	If Ho: μ < μ oand H1: μ < μ oand level of significance is= α then Ho will be rejected if	A. Z < Z=α B. Z < Z=α/2 C. Z < Z 1-α D. Z < Z1-α/2