

ICS Part 2 Statistics Chapter 13 Online Test

Sr	Questions	Answers Choice
1	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
2	If $H_0: \mu \leq \mu_0$ and $H_1: \mu > \mu_0$ and level of significance is α then H_0 will be rejected if	A. $Z \leq -Z_{\alpha}$ B. $Z \leq -Z_{\alpha/2}$ C. $Z \leq Z_{1-\alpha}$ D. $Z \leq Z_{1-\alpha/2}$
3	$1 - \alpha$ is called:	A. Confidence coefficient B. Power of the test C. Size of the test D. Level of significance
4	An example in a two-sided, alternative hypothesis is:	A. $H_1: \mu < \mu_0$ B. $H_1: \mu > \mu_0$ C. $H_1: \mu \neq \mu_0$ D. $H_1: \mu \neq 0$
5	Which error is occurred when the defendant were found guilty if, in fact the defendant is innocent	A. type-I B. type-II C. no error D. both a and b
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	The alternative hypothesis always contains the sign of	A. equality B. inequality C. ratio D. proportion
8	The degree of confidence is equal to:	A. β B. $1 - \beta$ C. $1 - \alpha$ D. α
9	Which hypothesis is always in an inequality form?	A. Simple hypothesis B. Alternative hypothesis C. Null hypothesis D. Composite hypothesis
10	The alternative hypothesis is also called:	A. Null hypothesis B. Statistical hypothesis C. Research hypothesis D. Simple hypothesis
11	A region for which the H_0 is rejected is called	A. acceptance region B. rejection region C. critical region D. both b and c
12	The values of test statistic which separate the rejection and non rejection regions for the test are called	A. simple values B. critical values C. parametric values D. none of these
13	P(type II error) is equal to:	A. α B. β C. $1 - \alpha$ D. $1 - \beta$
14	Level of significance is also called:	A. Power of the test B. Size of the test C. Level of confidence D. Confidence coefficient
15	The hypothesis which is tested for possible rejection is called	A. common hypothesis B. null hypothesis C. alternative hypothesis D. wrong hypothesis

16	The power of the test is equal to:	A. α B. $1 - \alpha$ C. β D. $1 - \beta$
17	$1 - \alpha$ is the probability associated with:	A. Type-I error B. Type-II error C. Level of confidence D. Level of significance
18	A statistical hypothesis is an assertion or conjecture about the distribution of random variables	A. one B. two C. one or more D. three
19	A hypothesis that specifies all the value of parameter is called:	A. Statistical hypothesis B. Simple hypothesis C. Composite hypothesis D. None of these
20	A ----- error is made by accepting H_0 if H_1 is actually true	A. type - I B. type - II C. type - III D. type - IV