

ICS Part 2 Statistics Chapter 13 Online Test

Sr	Questions	Answers Choice
1	If $H_0: \pi > \pi_0$, $H_1: \pi < \pi_0$ and level of significance is α then H_0 will be rejected if	A. $Z < -Z_{1-\alpha}$ B. $Z = \alpha/2$ & Z C. $Z > Z_{1-\alpha}$ D. $Z < -Z_{1-\alpha}$
2	If $H_0: \mu < \mu_0$ and $H_1: \mu > \mu_0$ and level of significance is α then H_0 will be rejected if	A. $Z < -Z_{\alpha}$ B. $Z < -Z_{\alpha/2}$ C. $Z < -Z_{1-\alpha}$ D. $Z < -Z_{1-\alpha/2}$
3	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
4	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
5	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
6	Hypothesis that does not completely specify the underlying population distribution is called	A. simple hypothesis B. dual hypothesis C. composite hypothesis D. common hypothesis
7	An automobile is driven on the average on more than 1600 kilometers per year, the null hypothesis is	A. $H_0: \mu = 16000$ kilometers B. $H_0: \mu \leq 16000$ kilometers C. $H_0: \mu < 16000$ kilometers D. $H_0: \mu > 16000$ kilometers
8	A statistical hypothesis is an assertion or conjecture about the distribution of random variables	A. one B. two C. one or more D. three
9	If the null hypothesis is false, we may accept it leading to a ----- decision	A. true B. correct C. wrong D. none of these
10	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
11	The Level of ----- of test is the maximum probability with which we are willing to a risk of type -I error	A. correction B. error C. significance D. statistics
12	If we reject H_0 when H_0 is actually true then it is	A. type - I error B. type - II error C. type - III error D. type - IV error
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	A region for which the H_0 is rejected is called	A. acceptance region B. rejection region C. critical region D. none of these

D. both b and c

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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

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The alternative hypothesis always contains the sign of

- A. equality
- B. inequality
- C. ratio
- D. proportion

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The hypothesis which is tested for possible rejection is called

- A. common hypothesis
- B. null hypothesis
- C. alternative hypothesis
- D. wrong hypothesis