

ICS Part 2 Statistics Online Test

Sr	Questions	Answers Choice
1	For a least squares line trend $Y = a + bx$, the b is the:	A. Intercept B. Slope C. Variable D. Trend
2	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 β
3	Statistic is an estimator and its calculated value is called:	A. Biased estimate B. Estimation C. Interval estimate D. Estimate
4	Normal distribution ranges from_____.	A. 1,2,3,..... ∞ B. $-\infty$ to $+\infty$ C. 1,2,3,.....n D. None of these
5	If any ultimate class frequency is negative the data will be	A. inconsistent B. consistent C. correlated D. composite
6	The estimates of the parameters α and β are	A. μ and σ^2 B. a and b C. μ and τ D. χ^2 and Z
7	Study of the population is called_____.	A. Parameter B. Error C. Statistic D. Census
8	Question Image <input type="text"/>	A. y-intercept B. x-intercept C. slope D. none of these
9	The _____ allow you to type information into the computer.	A. Mouse B. Scanner C. Printer D. Keyboard
10	The two attributes A and B are negatively associated if	
11	In N is the size of population and n is the size of sample then possible samples that can be drawn with replacement are.	A. N/n B. $N^{\sup>n\sup>}$ C. Nn D. None of these
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	The normal distribution is a bell shaped_____ distribution.	A. Discrete B. Continuous C. Symmetrical D. Skewed

A.

14	$P(Z > a) =$	<p>line-height: 23.390625px;">>α&nbsp;- 1 B. >α C. >2&nbsp;<math>\alpha</math> D. >1-α</p>
15	Question Image <input type="text"/>	<p>A. 37 B. 132 C. 32 D. cannot be calculated</p>
16	The critical region of χ^2 distribution is	<p>A. $\chi^2 < \chi^2_{\alpha}$ B. $\chi^2 < \chi^2_{1-\alpha}$ C. $\chi^2 > \chi^2_{1-\alpha/2}$ D. $\chi^2 > \chi^2_{1-\alpha/2}$</p>
17	The trend values in freehand curve method are obtained by:	<p>A. Equation of straight line B. Second degree parabola C. Signal D. Graph</p>
18	A descriptive measure of a population is called	<p>A. sample B. statistic C. parameter D. error</p>
19	Question Image <input type="text"/>	<p>A. independent B. positively associated C. negatively associated D. correlated</p>
20	RAM is called _____ storage.	<p>A. Primary B. Secondary C. Control D. Scanner</p>