ICS Part 2 Statistics Online Test

Sr	Questions	Answers Choice
1	All odd order moments about mean are	A. unique B. zero C. different D. one
2	The process of making estimates about the population parameter from a sample is called:	A. Statistical independence B. Statistical inference C. Statistical hypothesis D. Statistical decision
3	The first commercially available computer was:	A. ENIAC B. UNIVAC C. Mark I D. Analytical engine
4	The population must be defined in terms of	A. content B. unit C. extent D. all of these
5	If X - N (50,25), then=σ = _____.	A. 3 B. 5 C. 25 D. 50
6	The standard error of the estimate increased by decreasing	A. population B. sample size C. errors D. precision
7	Question Image	B. b_{yx} C. b_{xy} D. S_p
8	For a least squares linear trend Y = a + bx, the $\Sigma(Y - Y)^2 = 0$ when:	A. All the Y-values are positive B. All the Y-values lie on the line C. All the Y-values lie above the line D. None of these
9	P (|Z| > a) =	A. $2\phi(a) - 1$ B. $\phi(a)$ C. $2\phi(-a)$ D. $1 - \phi(a)$
10	List of all the units of the population is called_____.	A. Random sampling B. Bias C. Sampling frame D. Probability sampling
11	The graph of time series is called:	A. Histogram B. Historigram C. Straight line D. Ogive

12	The range of a normal distribution is	A. $-\infty$ to 1 B. $-\infty$ to 0 C. $-\infty$ to $+\infty$ D. 0 to ∞
13	Level of significance is also called:	A. Power of the test B. Size of the test C. Level of confidence D. Confidence coefficient
14	A numerical characteristic calculated from sample is called:	A. Sample unit B. Sample design C. Statistic D. Parameter
15	The distance between an estimate and the estimated parameter is called:	A. Sampling error B. Standard error C. Bias D. Error of estimation
16	The least squares estimates are unbiased estimates of the	A. statistic B. time series C. parameters D. variance
17	The variable, that forms the basis of estimation, is called_____.	A. Regression B. Regressor C. Regressand D. Estimated
18	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
19	The regression equation always passes throught_____.	A. (X, Y) B. $(X, \bar{y})$ C. $(\bar{X}, Y)$ D. $(\bar{X}, \bar{y})$
20	Sample is a sub-set of _____.	A. Population B. Data C. Set D. Distribution