ICS Part 2 Statistics Online Test

Sr	Questions	Answers Choice
1	If r = -1, then there is	A. negative correlation B. perfect negative correlation C. no correlation D. average correlation
2	In a normal distribution,_____= μ + 0.64745 σ	A. Q₁ B. Q₃ C. μ D. σ
3	The straight line graph of the linear equation Y = a + bX, the slope will be upward it_____.	A. b = 0 B. b < 0 C. b > 0 D. b ≠ 0
4	The critical region of=χ2distribution is	A. χ2 <χ2v; 1-α B. χ2 <χ2v;1-α C. χ2 <χ2 v;1-α/2 D. χ2 <χ2v;1-α/2
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	Non probability form of sampling is	A. quota sampling B. sampling with replacement C. sampling without replacement D. none of these
7	Types of statistical inferences are	A. one B. two C. three D. four
8	A quantitative statement about a population is called:	A. Research hypothesis B. Composite hypothesis C. Simple hypothesis D. Statistical hypothesis
9	The population must be defined in terms of	A. content B. unit C. extent D. all of these
10	The regression equation always passes throught_____.	A. (X, Y) B. (X, $\bar{y}$) C. ($\bar{X}$, Y) D. ($\bar{X}$, $\bar{y}$)
11	The elimination or addition of a few more time periods may change its	A. speed B. value C. direction D. none of these
12	The two attribute A and B are positively associated, if _____.	A. (AB) = (A)(B)/n B. (AB) < (A)(B)/n C. (AB) ≠ (A)(B)/n D. (AB) > (A)(B)/n
13	The estimates of the parameters=α and=β are	A. μ and=σ2 B. a and b C. μ andπ D. χ2 and Z
14	Question Image	A. y-intercept B. x-intercept C. slope

		D. none of these
15	Question Image	A. Φ² B. q² C. α² D. β²
16	The normal distribution is a bell shaped_____ distribution.	A. Discrete B. Continuous C. Symmetrical D. Skewed
17	A statistical hypothesis is an assertion or conjecture about the distribution of random variables	A. one B. two C. one or more D. three
18	The degree of linear relationship between two variable is called_____.	A. Dependent B. Association C. Positive D. Correlation
19	Data is defined as combination of	A. character and numbers B. characters and symbols C. numbers and symbols D. characters, number and symbols
20	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