ICS Part 2 Statistics Online Test

Sr	Questions	Answers Choice
1	In a normal distribution $\beta_1 = 0$ and β_2 = _____.	A. 2 B. 4 C. 3 D. 5
2	A process by which we estimate the value of dependent variable on the basis of one or more independent variable is called_____.	A. Residual B. Correlation C. Regression D. Slope
3	A numerical characteristic calculated from sample is called:	A. Sample unit B. Sample design C. Statistic D. Parameter
4	P(type I error) is equal to:	A. 1 - α B. 1 - β C. α D. β
5	Study of the population is called_____.	A. Parameter B. Error C. Statistic D. Census
6	A characteristic which varies in quality from one individual to another is called an_____.	A. Variable B. Attribute C. Associated D. Independent
7	The normal distribution is represented as_____	A. N (μ,σ²) B. N (n,p) C. N (0,σ²) D. None of these
8	The hypothesis which is tested for possible rejection is called	A. common hypothesis B. null hypothesis C. alternative hypothesis D. wrong hypothesis
9	The variable, whose resulting value depends upon the selected value of the independent variable is called_____.	A. Regression B. Regressor C. Regressand D. Coefficient
10	The regression equation always passes throught_____.	A. (X, Y) B. (X, $\bar{y}$) C. ($\bar{X}$, Y) D. ($\bar{X}$, $\bar{y}$)
11	An example in a two-sided, alternative hypothesis is:	A. H₁ :u < 0 B. H₁ : u > 0 C. H₁ L u <u>></u> 0 D. H₁ : u ≠ 0
12	A characteristic which varies in quantity from one individual to another is called a_____.	A. Association B. Correlation C. Variable D. Attribute
13	μ - 2σ to=μ + 2σ contains approximately_____ area.	A. 75% B. 50% C. 95.45% D. 99.73%
14	The Quartile deviation (Q.D) of a normal distribution is_____.	A. 4/5 σ B. 5/4 σ C. 2/3 σ D. None of these
15	A part of the population is called	A. parameter B. statistic C. sample D. both b and c

16	1 -&=nbsp;α is call:	A. Confidence coefficient B. Power of the test C. Size of the test D. Level of significance
17	Degree of linear relationship between two variables is called	A. regression B. association C. correlation D. disassociation
18	Question Image	A. y-intercept B. x-intercept C. slope D. none of these
19	A statistical hypothesis is an assertion or conjecture about the distribution of random variables	A. one B. two C. one or more D. three
20	The degree of relationship between the two attributes is called_____.	A. Association B. Correlation C. Contingency D. Quantitative