


ICS Part 2 Statistics Chapter 15 Online Test

Sr	Questions	Answers Choice
1	The value of coefficient of association lies between	A. 0 and + 1 B. -1 and + 1 C. -1 and 0 D. -0.5 and + 0.5
2	The sample size n is reasonably large so that for each cell, the estimated expected frequency must be at least	A. 2 B. 3 C. 4 D. 5
3	The shape of the chi-square distribution depends upon_____.	A. Parameters B. Number of cells C. Degrees of freedom D. Standard deviation
4	A process of dividing the objects into two mutually exclusive classes of an attribute is called	A. classification B. trichotomy C. dichotomy D. association
5	A characteristic which varies in quality form one individual to another is called	A. variable B. constant C. attribute D. none of these
6	The process of dividing the objects into two mutually exclusive classes is called _____	A. Bichotomy B. Trichotomy C. Dichotomy D. Multichotomy
7	Chi-square curve ranges from:	A. $-\infty$ to $+\infty$ B. 0 to ∞ C. $-\infty$ to 0 D. 0 to 1
8	The degree of relationship between the two attributes is called	A. regressor B. correlation C. regressand D. association
9	When the expected frequencies are very small the value of χ^2 has been	A. adjusted B. omitted C. changed D. all of these
10	The value of chi-square statistic is always _____.	A. Negative B. Non-negative C. Zero D. One
11	If $(AB) = (A)(B)/n$, the two attributes. A and B are _____.	A. Independent B. Dependent C. Correlated D. Quantitative
12	C= -----	
13	The total area under the curve of chi-square distribution is_____.	A. 1 B. 0.5 C. 0 to ∞ D. $-\infty$ to $+\infty$
14	A characteristic which varies in quantity from one individual to another is called a_____.	A. Association B. Correlation C. Variable D. Attribute
15	A characteristic which varies in quality from one individual to another is called an_____.	A. Variable B. Attribute C. Associated D. Independent
16	For a 3 x 3 contingency table, the number of cells in the table are _____.	A. 3 B. 4 C. 6

17	Degree of linear relationship between two variables is called	A. regression B. association C. correlation D. disassociation
18	The critical region of χ^2 distribution is	A. $\chi^2 < \chi^2_{1-\alpha}$ B. $\chi^2 < \chi^2_{1-\alpha}$ C. $\chi^2 > \chi^2_{1-\alpha/2}$ D. $\chi^2 > \chi^2_{1-\alpha/2}$
19		A. $\chi^2 > \chi^2_{1-\alpha}$ B. $\chi^2 > \chi^2_{1-\alpha/2}$ C. $\chi^2 > \chi^2_{1-\alpha/2}$
20	The two attributes A and B are negatively associated if	