

ICS Part 2 Statistics Chapter 15 Online Test

Sr	Questions	Answers Choice
1	If two attributes A and B are independent, then co-efficient of association is _____.	A. -1 B. +1 C. 0 D. 0.5
2	The two attribute A and B are positively associated, if _____.	A. $(AB) = (A)(B)/n$ B. $(AB) < (A)(B)/n$ C. $(AB) \neq (A)(B)/n$ D. $(AB) > (A)(B)/n$
3	For a 3 x 3 contingency table, the number of cells in the table are _____.	A. 3 B. 4 C. 6 D. 9
4	Degree of linear relationship between two variables is called	A. regression B. association C. correlation D. disassociation
5	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
6	$(\alpha) = (\alpha B) + \text{-----}$	A. $(A\beta)$ B. (AB) C. $(\alpha\beta)$ D. (A)
7	The degree of relationship between the two attributes is called _____.	A. Association B. Correlation C. Contingency D. Quantitative
8	If any ultimate class frequency is negative the data will be	A. inconsistent B. consistent C. correlated D. composite
9	(AB) , $(A\beta)$, (αB) , $(\alpha\beta)$ are called	A. positive class frequencies B. negative class frequencies C. natural class frequencies D. ultimate class frequencies
10	A characteristic which varies in quantity from one individual to another is called a _____.	A. Association B. Correlation C. Variable D. Attribute
11	For an r x c contingency table, the number of degrees of freedom are equal to:	A. rc B. r + c C. $(r-1)+(c-1)$ D. $(r-1)(c-1)$
12	If $(AB) = (A)(B)/n$, the two attributes. A and B are _____.	A. Independent B. Dependent C. Correlated D. Quantitative
13	The value of chi-square statistic is always _____.	A. Negative B. Non-negative C. Zero D. One
14	The total area under the curve of chi-square distribution is _____.	A. 1 B. 0.5 C. 0 to ∞ D. $-\infty$ to $+\infty$
15	$n = (A) + \text{-----}$	A. (B) B. (α) C. (β) D. (A)

16	Chi-square curve ranges from:	<p>A. $-\infty$ to $+\infty$</p> <p>B. 0 to ∞</p> <p>C. $-\infty$ to 0</p> <p>D. 0 to 1</p>
17	The critical region of χ^2 distribution is	<p>A. $\chi^2 < \chi^2_{1-\alpha}$</p> <p>B. $\chi^2 > \chi^2_{1-\alpha}$</p> <p>C. $\chi^2 < \chi^2_{\alpha/2}$</p> <p>D. $\chi^2 > \chi^2_{1-\alpha/2}$</p>
18	If two attributes A and B have perfect positive association value of the coefficient of association is equal to _____.	<p>A. +1</p> <p>B. -1</p> <p>C. 0</p> <p>D. $(r-1)(c-1)$</p>
19	The two attributes A and B are _____ associated, if $(AB) < (A)(B)/n$.	<p>A. Positively</p> <p>B. Negatively</p> <p>C. Zero</p> <p>D. Symmetrical</p>
20	The two attributes A and B are negatively associated if	