

ICS Part 2 Statistics Chapter 14 Online Test

Sr	Questions	Answers Choice
1	Question Image	A. S_{xy} B. S_{yx} C. b_{xy} D. b_{yx}
2	The measures of strength of closeness of linear relationship between two variables is called	A. simple linear regression B. composite linear regression C. simple linear correlation D. composite linear correlation
3	If the value of any regression coefficient is zero, then two variable are _____.	A. Qualitative B. Correlation C. Dependent D. Independent
4	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
5	In simple linear regression, the number of unknown constants are:	A. Two B. Three C. Four D. Five
6	Question Image	A. y-intercept B. x-intercept C. slope D. none of these
7	r is the ----- of two regression co-efficient b_{yx} and b_{xy}	A. arithmetic mean B. geometric mean C. harmonic mean D. median
8	The variable, whose resulting value depends upon the selected value of the independent variable is called_____.	A. Regression B. Regressor C. Regressand D. Coefficient
9	A set of points in a rectangular coordinate system, where each point represents an observed pair of values is called	A. least square regression B. scatter diagram C. pie graph D. regression coefficient
10	A relationship where the flow of the data points is best represented by a curve is called_____.	A. Linear positive B. Linear negative C. Linear relationship D. Nonlinear relationship
11	The _____ regression line always passes through (\bar{X}, \bar{y}) .	A. Opposite B. Estimated C. Estimates D. Random
12	If X and Y are independent, then $Cov(x,y) = 0$ which implies that	A. $b_{yx} = 0$ B. $b_{xy} = 0$ C. $\rho = 0$ D. $a = 0$
13	The straight line graph of the linear equation $Y = a + bX$, the slope will be upward if_____.	A. $b = 0$ B. $b < 0$ C. $b > 0$ D. $b \neq 0$
14	The variable, that forms the basis of estimation, is called_____.	A. Regression B. Regressor C. Regressand D. Estimated
15	Question Image	A. 37 B. 132 C. 32 D. cannot be calculated

16	Regression line x on y is	
17	Question Image	B. b_{yx} C. b_{xy} D. S_p
18	If constants are added to or subtracted from the values of the variables, the value of r	A. is negative B. is positive C. is zero D. remains unchanged
19	A data points falling along a straight line is called_____.	A. Linear relationship B. Non-linear relationship C. Linear positive D. Scatter diagram
20	The estimated regression line always passes through	A. origin C. x-axis D. y-axis