ICS Part 2 Statistics Chapter 14 Online Test

Sr	Questions	Answers Choice
1	Regression line x on y is	
2	If X and Y are independent, then Cov(x,y) = 0 which implies that	A. b_{yx} = 0 B. b_{xy} = 0 C. ρ = 0 D. a = 0
3	r_{xy} ---------- r_{yx}	A. = B. < C. > D. ≠
4	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
5	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
6	If r = -1, then there is	A. negative correlation B. perfect negative correlation C. no correlation D. average correlation
7	If b_{yx} = 0.89 and b_{xy} = 0.75, then r=	A. 0.89 B. 0.28 C. 0.98 D. 0.82
8	r is the ---------- of two regression co-efficient b_{yx} and b_{xy}	A. arithmetic mean B. geometric mean C. harmonic mean D. median
9	The estimates of the parameters=α and=β are	A. μ and=σ2 B. a and b C. μ andπ D. χ2 and Z
10	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
11	The variable that forms the basis of estimation is called	A. regression B. regressand C. regressor D. correlation
12	The relationship that describes the dependence of the expected value of the dependent random variable for a given value of the independent non-random variable is called	A. equation B. relation C. ratio D. regression