ICS Part 2 Statistics Online Test

Sr	Questions	Answers Choice
1	ŷ=a+bx, this line will be called least squares line if it makes=Σ(y-a-bx)2	A. maximum B. constant C. minimum D. variable
2	The standard error of the estimate increased by decreasing	A. population B. sample size C. errors D. precision
3	Random sampling provides reliable ----------	A. values B. attributes C. variables D. estimates
4	Another name of probability sampling is_____ sampling.	A. Random B. Non-random C. Error D. Bias
5	If b_{yx} = 0.89 and b_{xy} = 0.75, then r=	A. 0.89 B. 0.28 C. 0.98 D. 0.82
6	A single value used to estimate a population value is called:	A. Interval estimate B. Point estimate C. Confidence interval D. Level of confidence
7	A part of the population is called	A. parameter B. statistic C. sample D. both b and c
8	The distance between an estimate and the estimated parameter is called:	A. Sampling error B. Standard error C. Bias D. Error of estimation
9	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
10	The alternative hypothesis always contains the sign of	A. equality B. inequality C. ratio D. proportion
11	A characteristic which varies in quality from one individual to another is called an_____.	A. Variable B. Attribute C. Associated D. Independent
12	The shape of the normal distribution is like	A. J. B. L C. bell D. circle
13	Suppose that the null hypothesis is true and it is rejected, is known as:	A. α type-I error, and its probability is β B. α type-I error, and its probability is α C. α type-II error, and its probability is α D. α type-II error, and its probability is β
14	The straight line is fitted to a time series when the movements in the time series are	A. linear B. quadratic C. cubic D. constant

15	_____ is a set of electronic instructions:	A. Hardware B. Software C. Hard disk D. Compact disk
16	The normal distribution is a _____.	A. Positive B. Negative C. Discrete D. Continuous
17	The total area under the normal curve is_____.	A. Zero B. Equal C. Unity D. True
18	For a least squares line trend Y = a + bx, the b is the:	A. Intercept B. Slope C. Variable D. Trend
19	(AB), (Aβ), (αB), (αβ) are called	A. positive class frequencies B. negative class frequencies C. natural class frequencies D. ultimate class frequencies
20	One of the great advantages of sampling is	A. waste time B. save time C. use time D. need time