

ICS Part 2 Statistics Online Test

Sr	Questions	Answers Choice
1	In a normal distribution, _____ = $\mu + 0.64745 \sigma$	A. Q_1 B. Q_3 C. μ D. σ
2	For an $r \times c$ contingency table, the number of degrees of freedom are equal to:	A. rc B. $r + c$ C. $(r-1)(c-1)$ D. $(r-1)(c-1)$
3	r is the ----- of two regression co-efficient b_{yx} and b_{xy}	A. arithmetic mean B. geometric mean C. harmonic mean D. median
4	CD-ROM is a type of	A. hard disk B. soft disk C. floppy disk D. optical disk
5	Small sample has less than	A. 50 values B. 45 values C. 30 values D. 35 values
6	The most common measurement unit for describing a computer's memory is	A. bits B. mega bytes C. bytes D. kilobytes
7	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
8	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
9	The values of test statistic which separate the rejection and non rejection regions for the test are called	A. simple values B. critical values C. parametric values D. none of these
10	$P(\mu - 2\sigma < X \leq \mu + 2\sigma) =$	A. 0.6827 B. 0.9545 C. 0.9973 D. 0.9827
11	All odd ordered moments about mean are _____ in a normal distribution.	A. Zero B. Unity C. Positive D. Negative
12	A complete computer system has _____ parts.	A. 2 B. 3 C. 4 D. 5
13	If the value of any regression coefficient is zero, then two variable are _____.	A. Qualitative B. Correlation C. Dependent D. Independent
14	If any ultimate class frequency is negative the data will be	A. inconsistent B. consistent C. correlated D. composite

- 15 In a normal distribution $\beta_1 = 0$ and $\beta_2 =$ _____.
- A. 2
B. 4
C. 3
D. 5
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- 16 Super computers can process million of instructions:
- A. Per second
B. Per microsecond
C. Per minute
D. Per hour
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- 17 The precision can be increased by ----- the sample size
- A. increasing
B. decreasing
C. changing
D. ignoring
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- 18 If X and Y are independent, then $\text{Cov}(x,y) = 0$ which implies that
- A. $b_{yx} = 0$
B. $b_{xy} = 0$
C. $\rho = 0$
D. $a = 0$
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- 19 Estimate is the observed value of an:
- A. Unbiased estimator
B. Estimation
C. Estimator
D. Interval estimation
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- 20 The hypothesis which is tested for possible rejection is called
- A. common hypothesis
B. null hypothesis
C. alternative hypothesis
D. wrong hypothesis