

## ICS Part 2 Statistics Online Test

Sr	Questions	Answers Choice
1	Another name of probability sampling is _____ sampling.	<p>A. Random</p> <p>B. Non-random</p> <p>C. Error</p> <p>D. Bias</p>
2	The hypothesis which we are willing to accept when the null hypothesis is rejected is called	<p>A. simple hypothesis</p> <p>B. composite hypothesis</p> <p>C. null hypothesis</p> <p>D. alternative hypothesis</p>
3	Sum of squares of residuals is denoted by	<p>A. <math>\sum e</math></p> <p>B. <math>\sum e^2</math></p> <p>C. <math>\sum e^3</math></p> <p>D. <math>\sum e^4</math></p>
4	The process of making estimates about the population parameter from a sample is called:	<p>A. Statistical independence</p> <p>B. Statistical inference</p> <p>C. Statistical hypothesis</p> <p>D. Statistical decision</p>
5	In a straight line equation $Y = a + bX$ ; a is the:	<p>A. X - intercept</p> <p>B. Slope</p> <p>C. Y- intercept</p> <p>D. None of them</p>
6	Keyboard is commonly used _____ device.	<p>A. Output</p> <p>B. Input</p> <p>C. Primary</p> <p>D. Secondary</p>
7	The endpoints of a confidence interval are called:	<p>A. confidence coefficient</p> <p>B. Confidence limits</p> <p>C. Error of estimation</p> <p>D. Parameters</p>
8	For a least squares line trend $Y = a + bx$ , the b is the:	<p>A. Intercept</p> <p>B. Slope</p> <p>C. Variable</p> <p>D. Trend</p>
9	An example in a two-sided, alternative hypothesis is:	<p>A. <math>H_1: u \leq 0</math></p> <p>B. <math>H_1: u &gt; 0</math></p> <p>C. <math>H_1: u &lt; 0</math></p> <p>D. <math>H_1: u \neq 0</math></p>
10	The graph of a time series is called	<p>A. histogram</p> <p>B. polygon</p> <p>C. straight line</p> <p>D. historigram</p>
11	The elimination or addition of a few more time periods may change its	<p>A. speed</p> <p>B. value</p> <p>C. direction</p> <p>D. none of these</p>
12	The additive model of the time series is:	<p>A. <math>Y = T + S + C + I</math></p> <p>B. TSCI</p> <p>C. <math>Y = a + bX</math></p> <p>D. <math>Y = a + bX + cX^2</math></p>
13	If the population is finite, the standard error of mean is given by:	<p>A. <math>\sigma/\sqrt{n}</math></p> <p>B. <math>\sigma/\sqrt{n} \cdot \sqrt{N - n} / N</math></p> <p>C. <math>\sigma/\sqrt{n} \cdot \sqrt{N - 1} / N</math></p> <p>D. <math>\sigma/\sqrt{1 - n/N}</math></p>
14	P(type II error) is equal to:	<p>A. <math>\alpha</math></p> <p>B. <math>\beta</math></p> <p>C. <math>1 - \alpha</math></p> <p>D. <math>1 - \beta</math></p>

15	A ----- error is made by accepting $H_0$ if $H_1$ is actually true	A. type - I B. type - II C. type - III D. type - IV
16	Which hypothesis is always in an inequality form?	A. Simple hypothesis B. Alternative hypothesis C. Null hypothesis D. Composite hypothesis
17	Drag and drop is a term associated with:	A. Mouse B. Keyboard C. Printer D. Scanner
18	The estimated regression line always passes through	A. origin C. x-axis D. y-axis
19	Estimate is the observed value of an:	A. Unbiased estimator B. Estimation C. Estimator D. Interval estimation
20	1MB equals	A. 1048576 bytes B. 1024 bytes C. 2048 bytes D. 2380 bytes