

Statistics Ics Part 1 Online Test

Sr	Questions	Answers Choice
1	A probability function is _____ function.	A. Mathematical B. Mathematical expectation C. Converges D. None of these
2	If x is a random variable with $E(x) = 5$ then $E(3x - 2) =$	A. 0 B. 1 C. 13 D. 15
3	The probability of continuous random variable at $x = a$ is _____.	A. One B. Zero C. Between D. More then one
4	The simplest form of the continuous distribution is the.	A. Skewed distribution B. Kurtic distribution C. Binomial distribution D. Uniform distribution
5	For a constant K ,the variance of K.	A. Zero B. A^2 C. K D. None of these
6	Which one is not an example of random experiments.	A. A coin is tossed and the outcome is either a head or a tail B. A six sided aid is rolled C. All medical insurance clams received by a company in a given year. D. Some one of person will be admitted to a hospital emergency room during any hour.
7	If the random variable x denotes the number of heads of when three distinct coins are tossed k the X assumes values.	A. 0,1,2,3 B. 1,3,3,1 C. 1,2,3 D. 1,1,1,1
8	If x and y are independent random variables, $E(xy)$	A. $E(XY)$ B. $x E(y)$ C. $E(XY)$ D. $E(X) \cdot E(Y)$
9	$E(x) = \sum x f(x)$ if it _____ absolutely.	A. Equal B. Converges C. Discrete D. None of these
10	Random variable is also called _____.	A. Chance stochasitc B. Coverges C. Random D. None of these
11	$E(x - \mu)$ is equal to:	A. $E(x)$ B. zero C. μ D. $X - \mu$
12	probability distribution of a continuous random variable can be presented by.	A. Formula B. Curve C. Tabular form D. None of these
13	$F(-\infty)$ is always equal to.	A. Zero B. One C. Two D. Negative one
14	$F(y_1) \leq F(y_2)$ if	A. $y_1 \geq y_2$ B. $y_1 > y_2$ C. $y_1 \leq y_2$ D. $y \geq 1/2$

15	Variance of σ^2 is equal E to $(Y^2) - \underline{\hspace{2cm}}$?	A. $E(y)$ B. $[E(y)]^2$ C. $E(y^2)$ D. None of these
16	$\text{Var}(3x+2)$	A. $3\text{Var}(x) + 2$ B. $9\text{Var}(x) + 2$ C. $\text{Var}(x) + 0$ D. $3\text{Var}(X)$
17	A non - orderly arrangement of thing s is called:	A. Permutation B. Equally likely C. Combination D. Equally likely