

Statistics Ics Part 1 Chapter 7 Online Test

Sr	Questions	Answers Choice
1	What is the probability that a value chosen at random from a particular population is larger than the median of the population.	A. 0.25 B. 0.5 C. 1.0 D. 0.67
2	When two coins are tossed simultaneously the probability of at most one head is.	A. 1/2 B. 1/4 C. 3/4 D. None of these
3	The probability of continuous random variable at $x = a$ is _____.	A. One B. Zero C. Between D. More then one
4	If the random variable x denotes the number of heads when three distinct coins are tossed, the x assumes values	A. 0, 1, 2, 3 B. 1, 3, 3, 1 C. 1, 2, 3 D. None of these
5	Tossing two dice possible sampes are.	A. 2 B. 6 C. 12 D. 36
6	$E(y - \mu)$ is equal to	A. $E(y)$ B. μ C. zero D. $y - \mu$
7	A probability function is _____ function.	A. Mathematical B. Mathematical expectation C. Converges D. None of these
8	The simple probability of occurrence of an event in called the.	A. Joint probability B. Conditional probability C. Marginal probability D. Subjective probability
9	$\text{Var}(B/aX) = ?$	A. $1/a\text{Var}(X)$ B. $b^2/a^2\text{Var}(X)$ C. $b^2/a\text{Var}(X)$ D. None of these
10	A random variable is also called.	A. Chance variable B. Stochastic variable C. Discrete variable D. Both A and B
11	If x and y are independent random variables, then $E(xy)$	A. $E(xy)$ B. $xE(y)$ C. $E(x)$ D. $E(x)E(y)$
12	Which of the following cannot be probability of an event.	A. 0 B. 1 C. 0.32 D. 1.00
13	The simplest form of the continuous distribution is the.	A. Skewed distribution B. Kurtic distribution C. Binomial distribution D. Uniform distribution

14	If a is a constant then $E(a)$ is equal to	B. Square of a C. Zero D. $2a$
15	The properties of discrete probability distribution are:	A. $\sum p(x) = 1$ and $\sum x(x) = 1$ B. $\sum P(x) = 1$ and $\sum x. P$ C. $\sum P(x) = 1$ and $0 \leq P(x) \leq 1$ D. All of these above
16	If mean = 25 and variance is also 25, then coefficient of variation is	A. 100% B. 25% C. 20% D. 10%
17	$E(x) = \sum xf(x)$ if it _____ absolutely.	A. Equal B. Converges C. Discrete D. None of these
18	What is the probability that a ball drawn at random from the bag is.	A. 0.1 B. 0.4 C. 1.0 D. Cannot be determined from given information
19	When two coins are tossed simultaneously, $P(\text{one head})$ is.	A. $1/2$ B. $1/4$ C. $3/4$ D. 1.0
20	$F(-\infty)$ is always equal to.	A. Zero B. One C. Two D. Negative one