

1. Of a company's employees, 30% are women and 6% are married women. Suppose an employee is selected at random. If the employee selected is a woman, what is the probability that she is married?

0.20

2. Which of the following statements is not correct?

The number of movies you watched last year is an example of a continuous random variable. ANS

3. The term ANOVA

stands for Analysis of Variance

4. Which of the following statements is not an example of a discrete random variable?

The age of female respondents to a questionnaire about gender differences

5. In regression analysis of the form as $y = \beta_0 + \beta_1 x + e$, the variable x is known as

Independent

6. A statistic is to a sample as _____ is to a population.

Parameter

7. There are basically two types of random variables; _____ and continuous random variables.

Discrete

8. Which of the following statements is not an example of a continuous random variable?

The number of mistakes made by a typist on a randomly chosen page of a manuscript

9. _____ measures the degree of relationship between two variables X and Y .

Correlation coefficient

10. Which of the following statements is an example of a continuous random variable?

The depth of Lake Michigan at a randomly chosen point on the surface