

STATISTICS WORKSHEET- 6

Q1 to Q9 have only one correct answer. Choose the correct option to answer your question.

1. Which of the following can be considered as random variable?

- a) The outcome from the roll of a die
- b) The outcome of flip of a coin
- c) The outcome of exam
- d) All of the mentioned

Ans : d) All of the mentioned

2. Which of the following random variable that take on only a countable number of possibilities?

- a) Discrete b) Non Discrete c) Continuous d) All of the mentioned

Ans: a) Discrete

3. Which of the following function is associated with a continuous random variable?

- a) pdf b) pmv c) pmf d) all of the mentioned

Ans : a) pdf

4. The expected value or _____ of a random variable is the center of its distribution.

- a) mode b) median c) mean d) bayesian inference

Ans : c) mean

5. Which of the following of a random variable is not a measure of spread?

- a) variance b) standard deviation c) empirical mean d) all of the mentioned

Ans: a) variance

6. The _____ of the Chi-squared distribution is twice the degrees of freedom.

- a) variance b) standard deviation c) mode d) none of the mentioned

Ans: b) standard deviation

7. The beta distribution is the default prior for parameters between _____

- a) 0 and 10 b) 1 and 2 c) 0 and 1 d) None of the mentioned

Ans : c) 0 and 1

8. Which of the following tool is used for constructing confidence intervals and calculating standard errors for difficult statistics?

- a) baggyer b) bootstrap c) jackknife d) none of the mentioned

Ans : b) bootstrap

9. Data that summarize all observations in a category are called _____ data.

- a) frequency b) summarized c) raw d) none of the mentioned

Ans : b) summarized