

STATISTICS WORKSHEET -1

Que 1. Bernoulli random variables take(only) the values 1 and 0.

Ans. (a) True

Que 2. Which of the following theorem states that the distribution of averages of iid variables, properly normalized, becomes that of a standard normal as the sample size increases?

Ans. (a) Central Limit Theorem

Que 3. Which of the following is incorrect with respect to use of Poisson distribution?

Ans. (b) Modeling bounded count data

Que 4. Point out the correct statement.

Ans. (c) The square of a standard normal random variable follows what is called chi-squared distribution

Que 5. _____ random variables are used to model rates.

Ans. (c) Poisson

Que 6. Usually replacing the standard error by its estimated value does change the CLT.

Ans. (b) False

Que 7. Which of the following testing is concerned with making decisions using data?

Ans. (b) Hypothesis

Que 8. Normalized data are centered at _____ and have units equal to standard deviations of the original data.

Ans. (a) 0

Que 9. Which of the following statement is incorrect with respect to outliers?

Ans. (c) Outliers cannot conform to the regression relationship.