

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

Ans – a) True

Q 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

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

Ans - b) Modeling bounded count data

Q 4. Point out the correct statement.

Ans - d) All of the mentioned

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

Ans - c) Poisson

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

Ans - b) False

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

Ans - b) Hypothesis

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

Ans - a) 0

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

Ans - c) Outliers cannot conform to the regression relationship