

STATISTICS WORKSHEET – 1

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

Ans. (a) True

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

Ans. (a) Central Limit Theorem

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

Ans. (d) All of the mentioned.

4. Point out the correct statement.

Ans. (b) Sums of normally distributed random variables are again normally distributed even if the variables are independent

5. _____ random variables are used to model rates.

Ans. (c) Poisson

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

Ans. (b) False

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

Ans. (b) Hypothesis

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

Ans. (a) 0

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

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