

## **STATISTICS WORKSHEET-1**

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

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

**Ans:-** True

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:-** Central Limit Theorem

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

**Ans:-** Modeling bounded count data

4. Point out the correct statement.

**Ans:-** All of the mentioned

5. \_\_\_\_\_ random variables are used to model rates.

**Ans:-** Poisson

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

**Ans:-** False

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

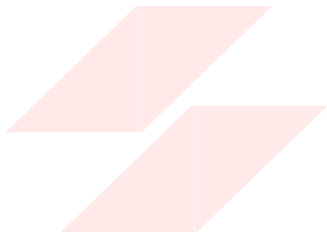
**Ans:-** Hypothesis

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

**Ans:-** 0

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

**Ans:-** Outliers cannot conform to the regression relationship



# FLIP ROBO