

# **STATISTICS WORKSHEET-1 (Answers)**

**Name: Prashant Pathak (Internship 33)      Worksheet\_set\_1(1 to 9)      [FLIP ROBO]**

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

Answer 1. **(a)** True

Question 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?

Answer 2. **(a)** Central Limit Theorem

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

Answer 3. **(b)** Modeling bounded count data

Question 4. Point out the correct statement.

Answer 4. **(d)** All of the mentioned

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

Answer 5. **(C)** Poisson

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

Answer 6. **(b)** False

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

Answer 7. **(b)** Hypothesis

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

Answer 8. **(a)** 0

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

Answer 9. **(C)** Outliers cannot conform to the regression relationship