## STATISTICS WORKSHEET-1

- **Ans 1 (a)** True
- Ans 2 (a) Central Limit Theorem
- **Ans 3** (b) Modeling bounded count data
- Ans 4 (d) All of the mentioned
- Ans 5 (c) Poisson
- Ans 6 (b) False
- Ans 7 (b) Hypothesis
- Ans 8 (a) 0
- **Ans 9** (c) Outliers cannot conform to the regression relationship
- Ans 10 A normal distribution refers to a probability distribution where the values of a random variable are distributed symmetrically. These values are equally distributed on the left and the right side of the central tendency. Thus, a bellshaped curve is formed.
- **Ans 11** We can use either isna() or isnull() method to detect missing values in data. We can get the total of missing values in each column with sum() or take the average with mean().
- Ans 12 An A/B test, also called a controlled experiment or a randomized control trial, is a statistical. method of determining which of a set of variants is the best. A/B tests allow organizations. and policy-makers to make smarter, data-driven decisions that are less dependent on. guesswork
- **Ans 13** No, mean imputation is bad imputation. It does improve power, but your results will be so biased, the improved power won't help much. Sure, your results might be significant, but they're the wrong results!
- **Ans 14** Linear regression is a regression model that estimates the relationship between one independent variable and one dependent variable using a straight line. Both variables should be quantitative.
- **Ans 15** There are three branches of statistics: data collection, descriptive statistics and inferential statistics