STATISTICS WORKSHEET-1

1. (a) True

2. (a) Central Limit Theorem

3. (b) Modeling bounded count data

4. (d) All of the mentioned

5. (c) Poisson

6. (b) False

7. (b) Hypothesis

8. (a) 0

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

10. Normal distribution is a type of continuous probability distribution for a real-valued random variable.

11. Missing Data can be handled by deletion of the rows or columns having null values. If any columns have more than half of the values as null then we can drop the entire column. In the same way, rows can also be dropped if having one or more columns values as null.

Imputation Techniques are:-

- Mean imputation
- Substitution
- Hot deck imputation
- Cold deck imputation
- Regression imputation
- Stochastic regression imputation
- Interpolation and extrapolation

12. A/B testing is a method of comparing two versions of a webpage or app against each other to determine which one performs better.

13. No mean imputation of missing data is not an acceptable practice.

14. Linear regression is the most basic and commonly used predictive analysis. Regression estimates are used to describe data and to explain the relationship.

15. The various branches of statistics are data collection, descriptive statistics and inferential statistics.