WORK SHEET - 1

1. TRUE

2. CENTRAL LIMIT THEOREM

3. MODELING BOUND COUNT DATA

4. ALL

5. POISSON

6. FALSE

7. HYPOTHESIS

8. 0

9. OUTLIERS CANNOT CONFIRM PROGRESSIVE RELATIONSHIP.

10. Normal distribution: it is a distribution of data where the data is symmetrical where most of the data is centered and equal amount of data is distributed on lower and higher sides. The mean, median and mode coincide at the midpoint. The data in normal distribution is bell shaped.

11. We follow the method of imputation to handle the missing values. Though there are many imputation methods like substitution, interpolation and extrapolation and others, most used method is mean/mode imputation.

12. A/B testing is a user experience research methodology. It has two variants A and B, where B is derived from A with few changes or developments and both are compared. A is a control variable and B is reference variable. Based on the majority of user experience either of variable is opted.

13. Though mean imputation is widely used imputation method, it is not acceptable as it ignores feature correlation and due to decrease in variance the bias is increased.

14. Linear regression is a method used to find the relation between the variables and to derive the outcomes.

The formula for linear equation is y = a\*x + b

15. The branches of statistics are

a. Descriptive statistics.

b. Inferential statistics.