STATISTICS WORKSKEET-1

Objective answer type question

Q1. Ans: - a) True
Q2. Ans: - a) Central Limit Theorem
Q3. Ans: -   b) Modeling bounded count data
Q4. Ans: -   d) All of the mentioned
Q5. Ans: -   c) Poisson
Q6. Ans: -   b) False
Q7. Ans: -   b) Hypothesis
Q8. Ans: -   a) 0
Q9. Ans: -   c) Outliers cannot conform to the regression relationship

Subjective answer type questions

Q10. Ans: - Normal distribution is a probability distribution that is symmetric about the mean, showing that data near the mean are more frequent in occurrence than data far from the mean. It's graph form as a bell curve.

Q11. Ans: - We handle missing data by the method of data imputation techniques.
There are many techniques for imputation but, I use K Nearest Neighbors for imputation.

Q12. Ans: - A/B testing is a way to compare the two version of variable to find out which performs better in a controlled environment. It is a randomized control experiment.

Q13. Ans: - Yes, mean imputation of missing data acceptable practice.

Q14. Ans: - Linear regression quantifies the relationship between one or more predictor variable and one outcome variable.

Q15. Ans: - There are four branches of statistics are:
- Data Collection
- Data Presentation
- Data Analysis
- Interpretation Statistics