

STATISTICS WORKSHEET-1

Answer 1. (a) True

Answer 2. (a) Central Limit Theorem

Answer 3. (b) Modeling bounded count data

Answer 5. (c) Poisson

Answer 6. (b) False

Answer 7. (b) Hypothesis

Answer 8. (a) 0

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

Answer 10. Normal distribution also known as the Gaussian distribution that is symmetric about the mean, showing that data near the mean are more frequent in occurrence than far from the mean. In graphical form, the normal distribution appears as a "bell curve".

Answer 11. Techniques for Handling the missing data:

- a. Listwise b. pairwise c. Mean substitution d. regression imputation e. sensitivity analysis

Answer 12. A/B testing is a user experience research methodology. A/B test consists of a randomized experiment with two variants, A and B. It includes statistical hypothesis testing.

Answer 14. Linear regression analysis is used to predict the value of a variable based on the value of another variable.

Answer 15. There are three real branches of statistics :

- 1. Data collection, Descriptive statistics and inferential statistics.