Statistics Worksheet 1

Batch No: DSNB1022

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1. A
2. A
3. B
4. D
5. C
6. B
7. B
8. A
9. C
10. A normal distribution is a type of continuous probability distribution in which most data points cluster toward the middle of the range, while the rest taper off symmetrically towards extreme. The measures of central tendency (mean, median and mode) are exactly the same in a normal distribution.
11. * Delete the Data
    * Imputing Averages i.e. assign some average value (mean, median, or mode) to the null entries.
    * Assign New Category
    * Certain Algorithms i.e. do nothing.
    I recommend Imputing Averages (Mean, Median and Mode)
12. A/B testing is also known as split testing or bucket testing. It is a methodology for comparing two versions of a webpage or app against each other to determine which one performs better.
13. Mean Imputation is not an acceptable practice. It is considered a terrible practice because it ignores feature correlation. It reduces the variance of the imputed variables.
14. Liner regression in statistics is used to predict the value of a variable based on the value of another variable.
15. * Data Collection

    * Descriptive Statistics

    * Inferential Statistics