

Answers of assignment of Statistics worksheet – 1

1. A
2. A
3. B
4. D
5. C
6. B
7. B
8. A
9. C
- 10.

When the data is distributed in such a way that the Mean, Median and Mode becomes equal then the distribution is called Normal Distribution. It is also called bell curve distribution as it is symmetric at the centre and forms a bell shape.

11. If the number of missing data is a very large quantity then we discard the variable else we handle the missing value using mean, median or mode as per applicability.

I will recommend the mean imputation technique.

12. A/B testing is a basic randomized control experiment. It is a way to compare the two versions of a variable to find out which performs better.

13. Yes, it is an acceptable practice.

14. Linear regression is used for finding the linear relationship between the target and one or more feature variables. There are two types of linear regression- Simple and Multiple. It helps in predicting the unknown value of the target using the training dataset.

15. The main branches of statistics are Descriptive and Inferential.

In descriptive it describes the important characteristics of the data using the measures of the central tendency like mean/ median/mode and the measures of dispersion like range, standard deviation, variance etc.

Whereas in Inferential it is about using data from a sample and then making inferences about the larger population from which the sample is drawn.