

Statistics Worksheet – 1

1. A
2. A
3. B
4. D
5. C
6. B
7. B
8. A
9. C
10. Normal Distribution – It is also known as Gaussian distribution. It is usually used when distribution is continuous. There is no dependency. It divides data in such a way that half of the data is on the left side and the other half is on the right side. It is also known by bell curve.
11. The best way to handle missing data is to use deletion method. There are two different types of deletion which is pairwise deletion and listwise deletion. The main imputation techniques are mean imputation and regression imputation.
12. It basically means a randomized control experiment. It is used to find out which variable performs better in a controlled environment.
13. No Mean imputation is not a good solution because most studies are in accordance with other variables. Although imputing the mean preserves the mean of the observed data so that's a good thing.
14. Linear Regression in statistics is a linear approach for modeling the relationship between a dependent and independent variables.
15. The various branches of statistics are Descriptive Statistics and Inferential Statistics. Descriptive Statistics deal with presentation and collection of data while Inferential Statistics involve drawing conclusions from the Descriptive Statistics.