

## STATISTICS WORKSHEET-1

1. a
2. a
3. c
4. d
5. c
6. b
7. b
8. a
9. c

10. Normal distribution is a continuous probability distribution that is symmetrical both sides of the mean. It is represented by symmetrical bell-shaped curve which shows that most of the data are concentrated around the centre.

11. Ignore Missing Values Row / Delete Row & Columns. Missing data is replaced by the mean of the column. This is a commonly used technique. But if the data is unimodal like male or female dataset we can't use imputation method. If that row having NAN we can delete that row instead of placing wrong data. Assigning a unique value, predicting missing values

12. allow you to compare 2 versions of something to learn which is more effective. It includes application of statistical hypothesis testing or " two-sample hypothesis testing " as used in the field of statistics.

13. No, it's bad for practice. For eg. Data having running capacity of people 20kmpr 15-70years , an old man can't run much fast.

14. There are two methods, graphical and algebraic method  
It is possible to predict the value of other variables (called dependent variable) if the values of independent variables can be predicted using a graphical method or the algebraic method. The strength of the impact that the independent variables show on dependent variables.

15. **Econometric.** Econometric is one of the branches of statistics where it takes parts to resolve economic models and problem.

**Actuarial.** Actuarial is another applied statistical branch that focuses on studying and analyzing risk in finance and insurance.

**Psychometrics.** Psychometrics is another interesting branch of statistics. This one focuses on studying measurement technique and analysing in the education world and psychology.

**Physics Statistics.** Physics statistics is one of the statistical branches that focuses on solving physics science. Usually, statistics take part in measurement and calculation with particle.

**Population Statistics.** The population of statistics is one of the most useful branches that study about many things related to society.

**Inferential Statistics:** These conclude from data which are subject to random variations like observation mistakes and other sample variation