

Q10 and Q15 are subjective answer type questions, Answer them in your own words briefly.

**10. What do you understand by the term Normal Distribution?**

Answer – In normal distribution, data is distributed in similar parts facing each other or also around the axis with no crossing lines. It is generally in bell shape so is also called as bell curve.

**11. How do you handle missing data? What imputation techniques do you recommend?**

Answer – Missing data can be handled in various ways, but generally multiple imputation is considered as good one for large amount of missing data. It replaces missing data points with substituted values.

**12. What is A/B testing?**

Answer – It is a statistical way of comparing 2 or more versions, to determine which version performs better and also to find if difference in versions is significant.

**13. Is mean imputation of missing data acceptable practice?**

Answer – Yes, mean imputation of missing data is acceptable practice because if the data is missing you are able to enter the data by counting mean with available values and its result are unbiased.

**14. What is linear regression in statistics?**

Answer - Linear regression attempts to show the relationship between two variables by applying a linear equation to observed data. One variable is supposed to be an independent variable, and the other is to be a dependent variable.

**15. What are the various branches of statistics?**

Answer - The two main branches of statistics are descriptive statistics and inferential statistics. Both of these are employed in scientific analysis of data. Descriptive statistics deals with the presentation and collection of data. Inferential statistics, as the name suggests, involves drawing the right conclusions from the statistical analysis that has been performed using descriptive statistics.