

## Python

1.C

2.A

3.C

4.A

5.D

6.B

7.A

8.C

9.A,C

10.A,B

## Statistics

1.a

2.a

3.b

4.d

5.c

6.b

7.b

8.a

9.c

10. Normal distribution, also known as the Gaussian distribution, is a probability distribution that is symmetric about the mean, showing that data near the mean are more frequent in occurrence than data far from the mean. In graphical form, the normal distribution appears as a "bell curve".

11. There are many ways to handle the missing data. One way of handling missing values is the deletion of the rows or columns having null values, if any columns have more than half of the values as null then we can drop the entire columns. In the same way row can also be dropped if having one or more columns value as null.

Mean Median and Mode is one of the most common method of imputing value when dealing with missing data.

12. A/B testing is a method of comparing two versions of a webpage or app against each other to determine which one perform better.

13. True, imputing the mean preserves the mean of the observed data. So if the data are missing completely at random, the estimate of the mean remains unbiased. That's a good thing.

14. Linear regression analysis is used to predict the value of a variable based on the value of another variable.

15. There are two branch of statistics.

Descriptive and inferential statistics.

## Python

1.C

2.A

3.C

4.A

5.D

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8.C

9.A,C

10.A,B