STA 3180 Statistical Modelling: Missing Data

1. Given a dataset with missing values, calculate the mean of the complete cases.

Solution: Calculate the mean of all the non-missing values in the dataset.

2. Given a dataset with missing values, calculate the median of the complete cases.

Solution: Calculate the median of all the non-missing values in the dataset.

3. Given a dataset with missing values, calculate the mode of the complete cases.

Solution: Calculate the mode of all the non-missing values in the dataset.

4. Given a dataset with missing values, calculate the standard deviation of the complete cases.

Solution: Calculate the standard deviation of all the non-missing values in the dataset.

5. Given a dataset with missing values, calculate the variance of the complete cases.

Solution: Calculate the variance of all the non-missing values in the dataset.

6. Given a dataset with missing values, calculate the range of the complete cases.

Solution: Calculate the range of all the non-missing values in the dataset.

7. Given a dataset with missing values, calculate the interquartile range of the complete cases.

Solution: Calculate the interquartile range of all the non-missing values in the dataset.

8. Given a dataset with missing values, calculate the correlation coefficient of the complete cases.

Solution: Calculate the correlation coefficient of all the non-missing values in the dataset.

9. Given a dataset with missing values, calculate the covariance of the complete cases.

Solution: Calculate the covariance of all the non-missing values in the dataset.

10. Given a dataset with missing values, calculate the skewness of the complete cases.

Solution: Calculate the skewness of all the non-missing values in the dataset.

11. Given a dataset with missing values, calculate the kurtosis of the complete cases.

Solution: Calculate the kurtosis of all the non-missing values in the dataset.

12. Given a dataset with missing values, calculate the mean absolute deviation of the complete cases.

Solution: Calculate the mean absolute deviation of all the non-missing values in the dataset.

13. Given a dataset with missing values, calculate the median absolute deviation of the complete cases.

Solution: Calculate the median absolute deviation of all the non-missing values in the dataset.

14. Given a dataset with missing values, calculate the root mean square error of the complete cases.

Solution: Calculate the root mean square error of all the non-missing values in the dataset.

15. Given a dataset with missing values, calculate the mean squared error of the complete cases.

Solution: Calculate the mean squared error of all the non-missing values in the dataset.

16. Given a dataset with missing values, calculate the mean absolute percentage error of the complete cases.

Solution: Calculate the mean absolute percentage error of all the non-missing values in the dataset.

17. Given a dataset with missing values, calculate the median absolute percentage error of the complete cases.

Solution: Calculate the median absolute percentage error of all the non-missing values in the dataset.

18. Given a dataset with missing values, calculate the mean squared logarithmic error of the complete cases.

Solution: Calculate the mean squared logarithmic error of all the non-missing values in the dataset.

19. Given a dataset with missing values, calculate the mean absolute logarithmic error of the complete cases.

Solution: Calculate the mean absolute logarithmic error of all the non-missing values in the dataset.

20. Given a dataset with missing values, calculate the median absolute logarithmic error of the complete cases.

Solution: Calculate the median absolute logarithmic error of all the non-missing values in the dataset.