

STATISTICS WORKSHEET_3

Q1 to Q12 have only one correct answer. Choose the correct option to answer your question.

Answers:-

- 1) A
- 2) A
- 3) B
- 4) A
- 5) B
- 6) A
- 7) A
- 8) A
- 9) C
- 10) C
- 11) C
- 12) B

Q13 to Q15 are subjective answers type questions. Answers them in their own words briefly.

- 13) The test statistic for a two-sample independent t-test is calculated by taking the difference in the two sample means and dividing by either the pooled or unpooled estimated standard error. The estimated standard error is an aggregate measure of the amount of variation in both groups.**

14) Sample mean is the arithmetic mean of random sample values drawn from the population. Sample mean is the arithmetic mean of random sample values drawn from the population.

15) For the 2-sample t-test, the numerator is again the signal, which is the difference between the means of the two samples. For example, if the mean of group 1 is 10, and the mean of group 2 is 4, the difference is 6. The default null hypothesis for a 2-sample t-test is that the two groups are equal