

STATISTICS WORKSHEET-9

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

13. What is T distribution and Z distribution?

T Distribution - The T distribution, also known as the Student's t-distribution, is a type of probability distribution that is similar to the normal distribution with its bell shape but has heavier tails. T distributions have a greater chance for extreme values than normal distributions, hence the fatter tails.

Z Distribution – It is a probability density function and especially a normal distribution that has a mean equal to zero and a standard deviation equal to one and that is used especially in testing hypotheses about means or proportions of samples drawn from populations whose population standard deviations are known

14. Is the T distribution normal?

Like the normal distribution, the t-distribution is symmetric. If you think about folding it in half at the mean, each side will be the same. Like a standard normal distribution (or z-distribution), the t-distribution has a mean of zero. The normal distribution assumes that the population standard deviation is known.

15.What does the T distribution tell us?

The t distribution (aka, Student's t-distribution) is a probability distribution that is used to estimate population parameters when the sample size is small and/or when the population variance is unknown.