

MS Module 5 Hypothesis testing of the mean homework assignment

A statistician estimates the population mean for a normal distribution from a sample of 7 points.

- ! The upper bound of the 98% confidence interval for the population mean is 5.51.
- ! The lower bound of the 90% confidence interval for the population mean is 1.7.

- ! What is the critical t value for a 98% confidence interval from a sample of 7 points?
- ! What is the critical t value for a 90% confidence interval from a sample of 7 points?
- ! What is the standard error of the estimated mean of the population?
- ! What is the standard deviation of the sample?
- ! What is the estimated mean of the population?