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## Some commentaries on confidence intervals of the mean in a Normal population

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- Abstract

In this paper, a study on the length of confidence intervals of the mean in a Normal population when the variance is either known or unknown is carried out. It is also proved that ignoring the population variance always leads to a worse interval than when such a variance is taken into account.

- Keywords: Student's t population, Chi-squared population.

- AMS Subject classifications: 62F99.

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