

# confidence interval

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*Source:* <http://sci.tech-archive.net/Archive/sci.stat.math/2005-10/msg00287.html>

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- *From:* [thanaset@xxxxxxxxx](mailto:thanaset@xxxxxxxxx)
  - *Date:* 19 Oct 2005 07:32:51 -0700
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Hi everyone,

I wonder if anyone can help me with how to compute a confidence interval for a "total" value? Let's say I have a series of size N with mean  $\bar{X}$  and standard deviation S. How do we calculate the confidence interval for all the observations in the series, i.e.,  $x_1+x_2+\dots+x_N$ ?

Any help is greatly appreciated. Thank you very much.

Regards,

Thanaset

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