

Re: Calculate Standard Deviation with R

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- *From:* Bruce Weaver <bweaver@xxxxxxxxxxxx>
 - *Date:* Mon, 28 May 2007 15:42:19 -0400
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R User wrote:

"Bruce Weaver" <bweaver@xxxxxxxxxxxx> a écrit dans le message de news:

---- snip ----

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Descriptive Statistics
|-----|-----|-----|-----|-----|
| |N|Minimum|Maximum|Mean|Std. Deviation|Variance|
|-----|-----|-----|-----|-----|
|x |50|496 |504 |500.06|1.823 |3.323 |
|-----|-----|-----|-----|-----|
|Valid N |50| |||||
|(listwise) |||||
|-----|-----|-----|-----|
```

The SD and variance are computed with $n-1$ in the denominator. With division by N , the variance would be approximately $3.323 * 49/50 = 3.165$.

I find the same results as you but why do you minore N by 1 : $50- 1$?

Dividing by $n-1$ gives you an unbiased estimate of the population variance.

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