

Re: Calculate Standard Deviation with R

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- *From:* "R User" <Ruser@xxxxxxxxxx>
 - *Date:* Mon, 28 May 2007 15:34:27 +0200
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"Anon." <bob.ohara@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx> a écrit dans le message de news: f3ejpo\$8k\$1@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

R User wrote:

"Anon." <bob.ohara@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx> a écrit dans le message
de news: f3e3tp\$bon\$1@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

R User wrote:

Hello,

I begin with R and I am searching a way to calculate a ST of a weighed serie :

```
xi(10,20,30)  
ni(1,5,10)
```

I found the function VAR which uses a vector of one dimension but dot not care about coefficients.

You could either write the function yourself, or use cov.wt:

```
x=rnorm(10)  
wt=1:10  
cov.wt(data.frame(x), wt)
```

I found this using help.search("weighted variance").

Ok thank you,

If I understand you affect a coefficient of 1 on the value 10 ?

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But how do I do if I have several observations ?

I tried this :

```
x=rnorm(496,497,498,499,500,501,502,503,504))
```

Erreur : erreur de syntaxe dans

```
"x=rnorm(496,497,498,499,500,501,502,503,504))"
```

You have 2 closed brackets. And after that, rnorm() will still be screwed: check its help page (?rnorm): I was only generating x and wt to give an example of R working.

ok thank you,

could you confirm what I means : this not a miracle function which gives me the standard deviation ?

Do I need to compute all intermediaries steps ?

How would you to calculate the standard deviation of a weighted serie like this :

```
xi(5,6,8,9,10)
```

```
ni(1,5,3,2,6)
```

thank you for your help

Best regards

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Bob

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