
Subject: Re: CORRELATE where is the problem?

Posted by [David Fanning](#) on Sun, 08 Mar 2009 19:39:20 GMT

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xiao writes:

```
> Hi~ everyone. I have a simple question here. I have two arrays and I
> calculated the correlation between them. The result is 0.49. But when
> I use the equation to calculate the correlation. The result is 0.99.
> And I can see from the plot that they are actually highly correlated.
> Why is that? THX
>
> openr,1,'data.txt'
> data=fltarr(2,1227)
> readf,1,data
>
> temp=data(1,*)
> oo=data(0,*)
> ;print,temp(0)
>
> temp=reform(temp)
> oo=reform(oo)
>
> corr=CORRELATE(oo,temp)
> print,corr
> rr=LINFIT(temp,oo)
> print,rr
> plot,psym=2,temp,oo
```

Which equation are you talking about? My guess is you have constructed the equation incorrectly.

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: CORRELATE where is the problem?

Posted by [xiao zhang](#) on Sun, 08 Mar 2009 20:35:27 GMT

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I used the equation in this link:

<http://www.jerrydallal.com/LHSP/corr.htm>

but the result is different from IDL :(

Xiao

On Mar 8, 2:39 pm, David Fanning <n...@dfanning.com> wrote:

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