
Subject: Re: r_correlate; get "loop limit expression too large" error with /Kendall
Posted by [pgrigis](#) on Thu, 13 Jan 2011 16:34:31 GMT
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You have some code that looks like:

```
for i=0,50000 do ...
```

that should read

```
for i=0L,50000 do ...
```

Ciao,
Paolo

On Jan 13, 11:22 am, Snow53 <jennifer_wa...@hotmail.com> wrote:
> I'm dealing with float vectors of length 50000. I can run r_correlate
> just fine, but get a "Loop limit expression too large for loop
> variable type" when I switch to Kendall's instead of Spearman's. Am
> curious as to why this might be happening.
>
> Has anyone else seen this?
>
> Thanks!

Subject: Re: r_correlate; get "loop limit expression too large" error with /Kendall
Posted by [Snow53](#) on Thu, 13 Jan 2011 19:26:34 GMT
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On Jan 13, 9:34 am, Paolo <pgri...@gmail.com> wrote:
> You have some code that looks like:
>
> for i=0,50000 do ...
>
> that should read
>
> for i=0L,50000 do ...
>
> Ciao,
> Paolo
>
> On Jan 13, 11:22 am, Snow53 <jennifer_wa...@hotmail.com> wrote:
>
>
>
>> I'm dealing with float vectors of length 50000. I can run r_correlate

>> just fine, but get a "Loop limit expression too large for loop
>> variable type" when I switch to Kendall's instead of Spearman's. Am
>> curious as to why this might be happening.
>
>> Has anyone else seen this?
>
>> Thanks!- Hide quoted text -
>
> - Show quoted text -

I'm not using `r_correlate` within a loop. I have two files, `x` and `y`,
that are 1-D. I am simply using `r_correlate(x,y)`.

Subject: Re: `r_correlate`; get "loop limit expression too large" error with `/Kendall`
Posted by [David Fanning](#) on Thu, 13 Jan 2011 19:30:26 GMT
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Snow53 writes:

> I'm not using `r_correlate` within a loop. I have two files, `x` and `y`,
> that are 1-D. I am simply using `r_correlate(x,y)`.

Ah, then open `r_correlate.pro` in a text editor and add

`Compile_Opt defint32`

at the top of the program.

Cheers,

David

--

David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: `r_correlate`; get "loop limit expression too large" error with `/Kendall`
Posted by [Snow53](#) on Thu, 13 Jan 2011 19:49:26 GMT
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On Jan 13, 12:30 pm, David Fanning <n...@dfanning.com> wrote:
> Snow53 writes:

>> I'm not using r_correlate within a loop. I have two files, x and y,
>> that are 1-D. I am simply using r_correlate(x,y).
>
> Ah, then open r_correlate.pro in a text editor and add
>
> Compile_Opt defint32
>
> at the top of the program.
>
> Cheers,
>
> David
>
> --
> David Fanning, Ph.D.
> Fanning Software Consulting, Inc.
> Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>
> Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Hi David; I noticed that suggestion in one of your prior posts (I am an avid follower) and it is in the program already but didn't solve the issue. :(

Subject: Re: r_correlate; get "loop limit expression too large" error with /Kendall
Posted by [wlandsman](#) on Thu, 13 Jan 2011 20:59:25 GMT
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On Thursday, January 13, 2011 2:49:26 PM UTC-5, Snow53 wrote:
> On Jan 13, 12:30 pm, David Fanning <n....@dfanning.com> wrote:

>> Ah, then open r_correlate.pro in a text editor and add
>>
>> Compile_Opt defint32
>>
>> at the top of the program.

>
> Hi David; I noticed that suggestion in one of your prior posts (I am
> an avid follower) and it is in the program already but didn't solve
> the issue. :(

Are you sure that it is already in your copy of r_correlate.pro ? This is an ITTVIS supplied program, and it is missing the compile_opt defint32 statement. Note that it is not enough to put compile_opt defint32 in *your* program since the scope is local. You have to edit r_correlate.pro.

An alternative is to use IDL 8.0, where there is automatic promotion of 16 bit integers to LONG.

--Wayne

Subject: Re: r_correlate; get "loop limit expression too large" error with /Kendall
Posted by [David Fanning](#) on Thu, 13 Jan 2011 21:16:11 GMT
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wlandsman writes:

> An alternative is to use IDL 8.0, where there is automatic promotion of 16 bit integers to LONG.

What!? Get out! Seriously? I've got to check
this out. This would be a Good Thing, IMHO. :-)

Cheers,

David

--

David Fanning, Ph.D.
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Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: r_correlate; get "loop limit expression too large" error with /Kendall
Posted by [penteado](#) on Thu, 13 Jan 2011 23:53:05 GMT
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On Jan 13, 7:16 pm, David Fanning <n...@dfanning.com> wrote:

> wlandsman writes:

>> An alternative is to use IDL 8.0, where there is automatic promotion of 16 bit integers to
LONG.

>

> What!? Get out! Seriously? I've got to check

> this out. This would be a Good Thing, IMHO. :-)

As I remember it, this was added in 8.0, with some bug related to it
fixed in 8.0.1.

Subject: Re: r_correlate; get "loop limit expression too large" error with /Kendall
Posted by [Michael Galloy](#) on Fri, 14 Jan 2011 00:05:57 GMT

On 1/13/11 4:53 PM, Paulo Penteado wrote:

> On Jan 13, 7:16 pm, David Fanning<n...@dfanning.com> wrote:

>> wlandsman writes:

>>> An alternative is to use IDL 8.0, where there is automatic promotion of 16 bit integers to LONG.

>>

>> What!? Get out! Seriously? I've got to check

>> this out. This would be a Good Thing, IMHO. :-)

>

> As I remember it, this was added in 8.0, with some bug related to it

> fixed in 8.0.1.

I do not use defint32:

```
IDL> for i = 0, 50000 do j = i
```

```
IDL> help, i, j
```

```
I      LONG      =      50001
```

```
J      LONG      =      50000
```

Mike

--

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Research Mathematician

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