Subject: CURVEFIT function
Posted by fd_luni on Thu, 04 Jul 2013 11:47:14 GMT
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Hi,

I was wondering if there is any command that I can put in the function CURVEFIT in order not print out the following:

CURVEFIT: Failed to converge- CHISQ increasing without bound.

Many Thanks
M

Subject: Re: CURVEFIT function
Posted by Petros Syntelis on Thu, 04 Jul 2013 12:34:59 GMT
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On Thursday, July 4, 2013 2:47:14 PM UTC+3, fd_...@mail.com wrote:
> Hi,
>
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>
> I was wondering if there is any command that I can put in the function CURVEFIT in order not print out the following:
>
>
>
> CURVEFIT: Failed to converge- CHISQ increasing without bound.
>
>
>
> Many Thanks
>
> M

You can edit the curvefit file and comment the message, or change it in a way that is tuned off by a keyword.

By my little experience in nonlinear fitting,i would definitely NOT recommend to do so if you are not absolutely sure of why you are doing so..
Non linear fitting is tricky as it is. You shouldn't make it more troublesome.

Subject: Re: CURVEFIT function
Posted by Moritz Fischer on Thu, 04 Jul 2013 14:19:10 GMT

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Hi Maria,
looking at the code (release 8.1, lines 367) it seems to me you could
set the status keyword to suppress the message.

cheers
m

Am 04.07.2013 14:34, schrieb Petros Syntelis:
> On Thursday, July 4, 2013 2:47:14 PM UTC+3, fd_...@mail.com wrote:
>> Hi,
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>> I was wondering if there is any command that I can put in the function CURVEFIT in order not print out the following:
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> By my little experience in nonlinear fitting,i would definitely NOT recommend to do so if you are not absolutely sure of why you are doing so..
> Non linear fitting is tricky as it is. You shouldn't make it more troublesome.
>

Subject: Re: CURVEFIT function
Posted by fd_luni on Thu, 04 Jul 2013 14:28:36 GMT
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On Thursday, 4 July 2013 15:19:10 UTC+1, Moritz Fischer wrote:
> Hi Maria, looking at the code (release 8.1, lines 367) it seems to me you could set the status keyword to suppress the message. cheers m Am 04.07.2013 14:34, schrieb Petros Syntelis: > On Thursday, July 4, 2013 2:47:14 PM UTC+3, fd_...@mail.com wrote: >> Hi, >> >> >> >> I was wondering if there is any command that I can put in the function CURVEFIT in order not print out the following: >> >> >> >> CURVEFIT: Failed to converge- CHISQ increasing without bound. >>

>> >> >> Many Thanks >> >> M > > You can edit the curvefit file and comment the message, or change it in a way that is tuned off by a keyword. > > By my little experience in nonlinear fitting,i would definitely NOT recommend to do so if you are not absolutely sure of why you are doing so.. > Non linear fitting is tricky as it is. You shouldn't make it more troublesome. >

I have the version 6.4. I tried to put the keyword STATUS=1 but it still appear the message.

Subject: Re: CURVEFIT function
Posted by Petros Syntelis on Fri, 05 Jul 2013 09:51:54 GMT
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On Thursday, July 4, 2013 2:47:14 PM UTC+3, fd_...@mail.com wrote:
> Hi,
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> I was wondering if there is any command that I can put in the function CURVEFIT in order not print out the following:
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>
> CURVEFIT: Failed to converge- CHISQ increasing without bound.
>
>
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> Many Thanks
>
> M

You used it in a wrong way. you set
status=status
and after you run
yfit=curvefit(...., status=status)
you see the result of the computation by
print, status
Then the status variable takes the values of 0,1,2 which stand for one of the three cases.

Petros

Subject: Re: CURVEFIT function
Posted by Paul Van Delst[1] on Tue, 09 Jul 2013 20:15:19 GMT
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Yes, there is.

I believe the command is: MPFIT

:o)

See http://www.physics.wisc.edu/~craigm/idl/fitting.html

cheers,

paulv

On 07/04/13 07:47, fd_luni@mail.com wrote:
> Hi,
>
> I was wondering if there is any command that I can put in the function CURVEFIT in order not print out the following:
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> CURVEFIT: Failed to converge- CHISQ increasing without bound.
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