Subject: Re: curvefit question
Posted by david[2] on Wed, 11 Jul 2001 22:54:37 GMT
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Vinay L. Kashyap writes:

> Best edit CURVEFIT.PRO to include _EXTRA=E as keyword to all
> calls to CALL_PROCEDURE inside it (and also to the function
> definition!), then pass m1,b1,x0 as keywords to your program.

Before I went to all that trouble I'd hot-foot it over
to Craig's web page and get something better than
CURVEFIT.

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

Cheers,

David

--
David Fanning, Ph.D.
Fanning Software Consulting
Phone: 970-221-0438 E-Mail: davidf@dfanning.com
Coyote's Guide to IDL Programming: http://www.dfanning.com/
Toll-Free IDL Book Orders: 1-888-461-0155

Subject: Re: curvefit question
Posted by kashyap on Wed, 11 Jul 2001 23:50:29 GMT
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Best edit CURVEFIT.PRO to include _EXTRA=E as keyword to all
calls to CALL_PROCEDURE inside it (and also to the function
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vinay

In article <Pine.GSO.4.21.0107111818550.4496-100000@rac4.wam.umd.edu>,
Mike Barker <animals@wam.umd.edu> wrote:
> Hello,
>
> I would like to fit the following function:
>
> y = m2*(x - x0) + m1*x0 + b1
>
> where m2 is the ONLY parameter to be fitted and m1, b1, x0 are
> variables (I DO NOT want to fit them). I'm having trouble figuring out

> how to do this with curvefit (or any of the other built-in
> routines). Curvefit won't let me pass m1, b1, and x0 as parameters. I
> tried using a common block to store the variables but I still have to
> compile the function before I declare the common block. If anyone could
> help I would be forever grateful.
>
> Sincerely,
> Mike
--

_____
kashyap@head-cfa.harvard.edu 617 495 7173 [CfA/P-146] 617 496 7173 [F]

Subject: Re: curvefit question
Posted by Craig Markwardt on Thu, 12 Jul 2001 05:10:16 GMT
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david@dfanning.com (David Fanning) writes:
> Before I went to all that trouble I'd hot-foot it over
> to Craig's web page and get something better than
> CURVEFIT.
>
> http://cow.physics.wisc.edu/~craigm/idl/fitting.html

Heck, I'll agree with David on this one :-)

Mike, you'll want to check out the PARINFO keyword, and in particular the facility to set parameters to be FIXED. Or, if you are perhaps lazier, you can simply pass your unchanging parameters as keywords using FUNCTARGS as Vinay described.

Craig

--

Craig B. Markwardt, Ph.D. EMAIL: craigmnet@cow.physics.wisc.edu
Astrophysics, IDL, Finance, Derivatives | Remove "net" for better response

---

Subject: Re: curvefit question
Posted by R.G.S. on Thu, 12 Jul 2001 15:14:05 GMT
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Mike Barker <animals@wam.umd.edu> wrote in message
news:Pine.GSO.4.21.0107111818550.4496-100000@rac4.wam.umd.ed u...

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>
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> tried using a common block to store the variables but I still have to
> compile the function before I declare the common block. If anyone could
> help I would be forever grateful.
>
> Sincerely,
> Mike
>

This is a BC answer (before coffee) so take it for what
its worth:

fit to
g = y - m1*x0-b1 = m2(x-x0)

hey, also change variables to (x' = x-x0)

Cheers,
bob stockwell
