Subject: Re: Fitting a bolus passage with gamma variate in IDL??
Posted by Craig Markwardt on Mon, 22 Jan 2001 16:56:52 GMT
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"Sean Heukels" <sean77=cuthere=@dds.nl> writes:
> Hello all.
>
> Has someone run into having to fit a
> bolus passage through a vein??
> You need a mono-exponential extrapolation fit.
> I heard that gamma variate fit would be the best.
>
> But is there someone out there that did
> something like this and wouldn't mind sharing some knowledge?
> How can this be done in IDL?
> And where do I start?

Hello Sean--

I think few of us on this newsgroup are familiar enough with medical terminology to provide a competent answer to your question.

However, performing curve fitting is fairly straightforward in IDL. There are a number of standard library routines (CURVEFIT being the most popular), and I provide a curve fitting routine on my web page which is a tad easier to use, and is a bit more stable (MPFIT and drivers).

You must still provide the fitting function. I thought I understood what you meant when you said "mono-exponential," but then you go on to talk about gamma variates. IDL does have a lot of special functions in its standard library. Suffice to say, if you can provide the parameterized curve, IDL can fit it.

Craig

P.S. Web page at http://cow.physics.wisc.edu/~craigm/idl/idl.html

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