Subject: Re: Logistic model in COMFIT function
Posted by Dick Jackson on Wed, 26 Oct 2016 14:24:42 GMT
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On Tuesday, 25 October 2016 13:37:22 UTC-7, bedro...@gmail.com wrote:
> Hi,
>
> I am currently using the logistic model in COMFIT. The results are good; however, when I read
the equation IDL uses for logistic model, I got confused. The equation is: y=1/(a0a1^x+a2). I can
not understand why a0 and a1 are necessary? They can be combined as one empirical
parameter. How does each of the empirical parameter work in this IDL function?
>
> If you can provide any thought, I will greatly appreciate.
>
> Thank you.
>
> Sincerely,
> Nick

Hi Nick,

To make that equation clearer, to show the order of operations when it is evaluated (exponents
before multiplication), it could be written as:

  y = 1 / ((a0 * (a1^x)) + a2)

Does that help to show how a0 and a1 are quite distinct?

Cheers,
-Dick

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