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Subject: Re: Linear fit with user defined weights  
Posted by [wlandsman](#) on Thu, 16 Jul 2009 19:04:56 GMT  
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On Jul 16, 2:03 pm, loknath <ladhik...@gmail.com> wrote:

> Hi,  
> Is there a way to calculate the best fit curve for linear fit with  
> user defined weights? I looked up linfit, but it does not take weight.  
> Ladfit also does not take user defined weights.  
>  
> thanks

Most of the IDL fitting routines (including LINFIT) use the MEASURE\_ERROR keyword to assign weights. Internally, the program then assigns a weight, wt for a given measurement error, sdev by the formula

$$wt = 1/sdev^2$$

So you if have weights from some other origin besides measurement errors, you could set MEASURE\_ERROR = 1./sqrt(wt)

--Wayne

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