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Subject: Re: Reduced chi-square goodness-of-fit statistic

Posted by [pgrigis](#) on Mon, 09 Feb 2009 22:35:23 GMT

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giorgosioanno...@gmail.com wrote:

> But I don't really have to do anything with the errors. I must give  
> the data and the distribution, and IDL finds the parameters of the  
> best curve fit and returns the reduced chisq.

In this case the absolute value of the reduced chi-square is meaningless. You can still compare models (i.e. model A "fits better" than model B if it has a lower chi-square in the case of data with no error).

However, if your data is real world data, it will have errors, and that is important information that you should not neglect.

Ciao,  
Paolo

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