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Subject: Re: How to calculate 3SIGMA in Linfit!

Posted by [Craig Markwardt](#) on Mon, 11 Jun 2012 16:25:35 GMT

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On Monday, June 11, 2012 3:51:50 AM UTC-4, dave poreh wrote:

> Dear folks

> hi,

> i want to calculate 3sigma in linfit function. sigma function just give me the SD and i could not do 3\*sigma to get 3sigma. As far as i understood first i need to transfer data to normal function and then i find SD and 3SD=3sigma.

I'm assuming you want to calculate a 3 sigma confidence limit. But of what? The slope coefficient? Offset coefficient?

As far as I understand, 3 sigma is indeed usually 3 times the 1 sigma error estimate. When your fitting function is non-linear it gets more complicated, but yours is not-nonlinear.

Craig

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