Subject: Re: sigma values of polyfit and svdfitr
Posted by Andy Sayer on Mon, 18 Mar 2013 13:30:43 GMT

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By 'fitting error' do you mean the residuals on the fit? These can be returned using the yfit keyword to these functions.

Andrew

On Monday, March 18, 2013 2:26:09 AM UTC-4, gunvi...@gmail.com wrote:
> Hello everyone,
>
> Please let me know how to use the sigma values and returned in polyfit and svdfit to find the fitting error. Its very important for my work.
>
> Please help me out in this respect.
>
> thanking you in advance,
>
> sid

Subject: Re: sigma values of polyfit and svdfitr
Posted by gunvicsin11 on Tue, 19 Mar 2013 06:00:31 GMT

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Hello sir,
        I need to know, what is the sigma value refer to, what is the use of that. Could you please let me know about this.
thanking you
sid

On Monday, March 18, 2013 7:00:43 PM UTC+5:30, AMS wrote:
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Subject: Re: sigma values of polyfit and svdfitr
Posted by Andy Sayer on Tue, 19 Mar 2013 13:09:39 GMT
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Sigma is the uncertainty on the fit parameters (i.e. polynomial/SVD coefficients). From the documentation:

```
;     SIGMA:   The 1-sigma error estimates of the returned parameters,
;             SIGMA=SQRT(VARIANCE).
```

Andrew

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