
Subject: recommendations for curve fitting
Posted by [Josh](#) on Tue, 24 Jul 2007 17:55:59 GMT
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i'm looking to add a trend- / fit-line to my plotted data, and not finding any really nice and easy way to do so. the plot is currently being generated with the PLOT command, and I'm not looking for anything much more complicated than a quadratic fit (probably even just linear). i tried using IPLOT and adding a curve fit there, but it didn't work very well and was kind of awkward.

does anyone have any good recommendations for fitting a trendline to a scatter plot? as i said, it will probably be as simple as linear / quadratic in nature.

thanks.

Subject: Re: recommendations for curve fitting
Posted by [willett](#) on Wed, 25 Jul 2007 19:19:16 GMT
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On Jul 24, 11:55 am, Josh <joshuamonta...@gmail.com> wrote:
> i'm looking to add a trend- / fit-line to my plotted data, and not
> finding any really nice and easy way to do so. the plot is currently
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> it didn't work very well and was kind of awkward.
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> does anyone have any good recommendations for fitting a trendline to a
> scatter plot? as i said, it will probably be as simple as linear /
> quadratic in nature.
>
> thanks.

Craig Markwardt's MPFIT routine does an outstanding job of fitting whatever function you like to the data. Look here for a good tutorial and examples.

<http://cow.physics.wisc.edu/~craigm/idl/fitting.html>

Subject: Re: recommendations for curve fitting
Posted by [Josh](#) on Wed, 25 Jul 2007 21:26:58 GMT
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On Jul 24, 11:55 am, Josh <joshuamonta...@gmail.com> wrote:

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> just linear). i tried using IPLOT and adding a curve fit there, but
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> does anyone have any good recommendations for fitting a trendline to a
> scatter plot? as i said, it will probably be as simple as linear /
> quadratic in nature.
>
> thanks.

thanks for the suggestions, all. i actually thought I had deleted
this post, because i found sufficient fitting routines in idl. that's
what I get for not RTFM.

-josh
