## Subject: recommendations for curve fitting Posted by Josh on Tue, 24 Jul 2007 17:55:59 GMT

View Forum Message <> Reply to Message

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 willettk on Wed, 25 Jul 2007 19:19:16 GMT

View Forum Message <> Reply to Message

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
- > 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.

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

View Forum Message <> Reply to Message

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
- > 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.

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