
Subject: Re: Oddities with the linfit function

Posted by [Helder Marchetto](#) on Thu, 06 Aug 2015 22:08:23 GMT

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On Thursday, August 6, 2015 at 11:51:21 PM UTC+2, Wayana Dolan wrote:

> I've got an array for X, and an array for y.

>

> so I do this

>

> plot, x,y, psym=1

> result=linfit(x,y)

> print, result

>

> and instead of getting the usual 2 things that are the m and the b of the $y=mx+b$, I get three. The first two things I think are the m and b, and the third thing I thought was the r^2 . But if I multiply the x value by -1 so everything flips, then do linfit, I get the identical third value, but negative...

>

> Not sure why I get three things, and I'm not sure how to get the real r^2 value.

>

> Thanks for your help!

Kind of impossible. Are you using the "right" linfit from IDL that is found in /lib/linfit.pro?

If you can debug, try to step in the function and see where it brings you.

Or maybe even easier, try:

print, routine_info('linfit', /source, /function)

See also <http://www.exelisvis.de/docs/LINFIT.html>

Cheers,

Helder
