
Subject: Re: How to plot linear regression relation of two array?
Posted by [David Fanning](#) on Mon, 09 Feb 2009 21:20:56 GMT
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Hu writes:

- > Yes, I use function `linfit()` to get the parameters a and b ($Y=3Da+b*X$)
- > But How can I get the R^2 ?

R is the correlation coefficient. I typically get it from `CORRELATE`:

```
params = LinFit(x, y, /DOUBLE)
r = Correlate(x, y, /DOUBLE)
r_sqrd = r^2
```

You can put it on to your plot with `XYOUTS`:

```
XYOUTS, 0.1, 0.9, /NORMAL, 'R^2 = ' + $
  StrTrim(String(r_sqrd, FORMAT='(F8.2)'),2)
```

Cheers,

David

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David Fanning, Ph.D.
Coyote's Guide to IDL Programming (www.dfanning.com)
Sepore ma de ni thui. ("Perhaps thou speakest truth.")
