
Subject: Re: REGRESS Question

Posted by [julia\[1\]](#) on Thu, 05 Sep 2002 18:31:55 GMT

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David --

I ran into problems with the regress routine a few years ago, trying to regress large amounts of data. The problem is that regress.pro calls the total routine, which is called in floating point precision. I had more obvious problems than the 2% difference in goodness of fit that your reporting, but I found I had to modify regress.pro to call total in double precision.

Julia

David Fanning <david@dfanning.com> wrote in message news:<MPG.17e027561a59e932989994@news.frii.com>...

> Folks,

>

> I have a client who has asked me to create a pixel density
> function between two images and then perform a regression
> analysis on the resulting distribution. No problem doing all
> this, but she finds that the results of my regression analysis
> differ from the same analysis performed in other statistics
> packages. In fact, three different packages give the same
> answer, and then there is IDL. :-(

>

> For example, if the other packages calculate a "goodness
> of fit" of 0.95, IDL might report 0.97.

>

> Here is my question. Are there any known problems with REGRESS?
> Or, can I assume that this problem comes from my own mathematical
> ignorance?

>

> Cheers,

>

> David
