
Subject: Re: help in converting PV-Wave code to IDL

Posted by [rkj](#) on Mon, 05 Mar 2001 15:35:15 GMT

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Peter Thorne (peter.thorne@uea.ac.uk) wrote:

: Hi all,

: I was wondering if I could pick your collective brains on this one. I've
: been sent some PV-Wave code which I need to convert to IDL. I've managed
: nearly all of it, in fact there is but one sticking point ...

: In their code they make the following call:

: `alpha=multiregress(evects,obs, /no, res=res)`

: without having recourse to the PV-Wave documentation I can work out that
: `evects` is X and `obs` Y in this multi-linear regression, and I'm guessing
: that `res` is the residuals which would make sense in terms of further
: statements afterwards. However, I have no idea what keyword `no` performs
: in the PV-Wave function. The closest equivalent IDL function which I can
: find is `regress`, but this doesn't seem to have the ability to return the
: residuals on keyword call. I may be barking up the wrong tree though on
: this one.

: Thanks for your help

: Peter

According to the IMSL Stats Reference, `/No` refers to `/No_Intercept`.

"When `No_INtercept` is specified, the total weighted sum of squares is the sum of squares of `yi`, the so-called uncorrected total weighted sum of squares."

Kyle J.
