
Subject: Re: Fitting a function with multiple independent variables

Posted by [maarten](#) on Wed, 20 Apr 2005 08:06:04 GMT

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Hello,

You can use the built in routine curvefit.

cheers maarten

Sean Davis wrote:

> Hello all,

>

> I am currently trying to fit a function with multiple independent variables.

> I have used IDL's REGRESS routine, which does a multiple linear regression,

> such as fits to something like:

>

> $Y = 5 + 3 \cdot X_1 - 4 \cdot X_2$

>

> But what if I want one of my independent variables to vary non-linearly,

> like

>

> $Y = 5 + 3 \cdot X_1^2 - 4 \cdot X_2$

>

> (I assume this is called non-linear regression?)

>

> I've heard of Craig M.'s fitting library, so I suppose I should look there.

> But for the record, are there any built-in programs in IDL to do this???

>

> Thanks,

> Sean

>
