Subject: Re: Fitting a function with multiple independent variables
Posted by Craig Markwardt on Wed, 20 Apr 2005 18:31:44 GMT
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Sean Davis <seand@colorado.edu> writes:
> Actually, CURVEFIT does not work for that task. CURVEFIT fits a function
> with multiple parameters (a,b,c), like
>
> y = a*x + b*x^2 + c*exp(x),
>
> but not functions with multiple independent variables AND paramaters, like
>
> y = a*x1 + b*x2^2 + c*exp(x3)

This is not true. CURVEFIT does nonlinear least squares, such as your
second expression. The number of independent variables is irrelevant.
You can have no independent variables if you want! The comments here:

http://cow.physics.wisc.edu/~craigm/idl/fitqa.html#multivar

apply to CURVEFIT as well as MPFIT. Not that I am defending
CURVEFIT. :-)

Craig

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Astrophysics, IDL, Finance, Derivatives | Remove "net" for better response
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