Subject: Re: interpolation of missing data
Posted by Kenneth P. Bowman on Wed, 10 Mar 2010 14:42:24 GMT
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In article
<dd2beff8-b525-486a-a89b-ed308d1e506b@v20g2000yqv.googlegroups.com>,
 a <oxfordenergyservices@googlemail.com> wrote:

> Hi
>
> I have a quick question...
>
> I have some data
>
> a=[-99.9,-99.9,-99.9,1,-99.9,2,-99.9,-99.9,3,4,6,-99.9,2,-99 .9,-99.9,-99.9]
>
> for example. I want all the -99.9s to be replaced with an
> interpolation of the existent data surrounding them (linear interp or
> other) but not the -99.9s at each end.
>
> I could do myself in a way that will work but may not be elegant. But
> then I might not learn something new, interesting and efficient!
>
> Thanks
>
> Russ

I think the easy way to do this is something like this.

x = FINDGEN(N_ELEMENTS(a))
i = WHERE(a NE -99.9, count)
IF (count GT 0) THEN $
   ainterp = INTERPOL(a[i], x[i], x)

Because I don't understand what you want to do with the endpoints,
that is left as an exercise to the reader. :-)

Ken Bowman