
Subject: SMOOTH function doesn't replace the values of NaN
Posted by [atmospheric physics](#) on Wed, 04 Feb 2015 10:37:51 GMT
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Hello,

I am applying the SMOOTH function to my time series data, which contains 'NaN's in between. By including the /NAN keyword, the SMOOTH function shall consider NaNs within the data and replace with a smoothed value. I don't see replacement of NaNs with a numerical value. Did I understand wrongly?

Thanks in advance,
Madhavan

Subject: Re: SMOOTH function doesn't replace the values of NaN
Posted by [Fabzi](#) on Wed, 04 Feb 2015 10:42:47 GMT
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Hi,

On 04.02.2015 11:37, Madhavan Bomidi wrote:

> I don't see replacement of NaNs with a numerical value

can you provide a use-case? For me it works:

```
IDL> a = FINDGEN(3,3)
IDL> a[1,1] = !VALUES.F_NAN
IDL> print, smooth(a, 2, /NAN)
  0.00000  1.00000  2.00000
  3.00000  4.00000  5.00000
  6.00000  7.00000  8.00000
```
