
Subject: Re: IDL missing date and data

Posted by [loebasboy](#) on Thu, 29 Jan 2009 12:41:41 GMT

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On 29 jan, 11:15, mbo <msty...@gmail.com> wrote:

> I am to creating a monthly time series data from daily averages data
> that spans from 1999 to 2008.
>
> However, there data gaps of about 2 to for 4 days for some of the
> monts. So that this data would look like this
>
> 20/07/1999 20
> 24/07/1999 40
>
> You would notice that there are 4 days missing but the data shows no
> gaps int it.
>
> How can I expand this kind of data to look like this
>
> 20/07/1999 20
> 21/07/1999 NaN
> 22/07/1999 NaN
> 23/07/1999 NaN
> 24/ 07/1999 40

First make a matrix with 2 columns with length of all days. The first column consist of all the dates of days you need. I think you can generate that with the TIMEGEN function. The second column all consist of Nan values which you can create by using !values.f_nan . Then do a for loop on the original matrix to fill in the data you have by comparing the dates of the second matrix with the first matrix and getting the index with a where function. Then fill in the second matrix with that index and the right value. An easy, but maybe not that efficient (cause of the for loop), solution.
