
Subject: Re: manipulating structures

Posted by [Kenneth P. Bowman](#) on Sat, 07 Apr 2007 02:59:15 GMT

[View Forum Message](#) <> [Reply to Message](#)

In article <1175911428.077370.279650@n59g2000hsh.googlegroups.com>, "metachronist" <rkombiyil@gmail.com> wrote:

```
> a=fltarr(dim)           ;dim is dimension, i.e., #days * #data/day
```

The preceding line is unnecessary, as the following line will create the array "a" automatically.

```
> a=float(data[*].mydat)   ;data[dim].mydat is data variable
```

```
> a[where(a[*] eq 999999.)]=!values.f_nan
```

The line above is not a great idea, though, as it will crash when there are no missing data. Plus, the [*] is unnecessary. You should do something like this instead

```
i = WHERE(a EQ 999999.0, count)
IF (count GT 0) THEN a[i] = !VALUES.F_NAN
```

Other than that, the concept seems fine. You have to create a FLOAT variable in order to use NaNs, which I heartily endorse.

The only alternative is to create the original data structure using a FLOAT instead of a LONG (presumably when you read the data). I prefer to replace missing data codes with NaNs at the point I read the data. That way I don't use them inadvertently.

Ken Bowman
