
Subject: Re: how to add mark for every points in each plot?

Posted by [davidf](#) on Tue, 06 Jan 1998 08:00:00 GMT

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

hwang (hwang@umassd.edu) writes:

> I have two arrays. Every array has 12 numbers. Each number stands for the
> data for every month of some year. My boss want to plot these two
> arrays (X versus Y) but he let me mark '1','2',.....or
> 'Jan','Feb'.....besides every point in the plot. I try to find some
> parameters in the PLOT routine which can add such mark, but PLOT has no
> such parameter or function. I try to use OPLOT, in order to every time I
> call OPLOT, it only plot one point. But OPLOT or PLOT only accept the
> array arguments. How can I do? Is there any expert knowing how to do
> this?

Ahem, well, shucks. How about this?

```
seed = -2L
x = RandomU(seed, 12) * 95 + 2.5
y = RandomU(seed, 12) * 95 + 2.5
Plot, x, y, PSym=2, SymSize=2
months = ['JAN', 'FEB', 'MAR', 'APR', 'MAY', 'JUN', $
          'JUL', 'AUG', 'SEP', 'OCT', 'NOV', 'DEC']
XYOutS, x, y + 4, months, Alignment=0.5
```

Cheers,

David

David Fanning, Ph.D.
Fanning Software Consulting
E-Mail: davidf@dfanning.com
Phone: 970-221-0438
Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

Subject: Re: how to add mark for every points in each plot?

Posted by [Martin Schultz](#) on Wed, 07 Jan 1998 08:00:00 GMT

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

David Fanning wrote:

>
> hwang (hwang@umassd.edu) writes:
>
>> I have two arrays. Every array has 12 numbers. Each number stands for the
>> data for every month of some year. My boss want to plot these two

```
>> arrays(X versus Y) but he let me mark '1','2',.....or  
>> 'Jan','Feb'.....besides every point in the plot.  
[...]
```

[and David provides an example code using xyouts]

just a short addendum: if you want to label the points with numerical values, you should use the string function (which includes a format option). Then you would build a label string array like

```
valstr = string(y,format="(f7.2)")
```

and put that out as David suggested

```
xyouts,x,y,valstr,align=0.5
```

Martin.

Dr. Martin Schultz
Department for Earth&Planetary Sciences, Harvard University
186 Pierce Hall, 29 Oxford St., Cambridge, MA-02138, USA

phone: (617)-496-8318
fax : (617)-495-4551

e-mail: mgs@io.harvard.edu
IDL-homepage: <http://www-as.harvard.edu/people/staff/mgs/idl/>
