
Subject: Re: custom x axis

Posted by [David Fanning](#) on Wed, 17 Apr 2013 23:06:03 GMT

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

TB writes:

>

> I am trying to create a customized axis that goes 9,10,11,12,1,2 (in accordance with September through February the next calendar year). Any suggestions?

```
IDL> t = timegen(6, start=Julday(9, 15, 2012), units='months')
```

```
IDL> void = label_date(date_format='%N')
```

```
IDL> cgplot, t, randomu(seed, 6), xtickformat='label_date', $  
      xstyle=1, xticks=5
```

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>

Sepore ma de ni thue. ("Perhaps thou speakest truth.")

Subject: Re: custom x axis

Posted by [tballinger6](#) on Fri, 19 Apr 2013 22:05:54 GMT

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

Hi David,

Thanks for the advice. I am trying to plot different frequencies for each month (hence the three symbols per month), but keep getting this additional white line running the screen (across all months). Any idea how to remove that line, but keep the other symbols for each month? Code below:

```
t = [9,10,11,12,1,2]
```

```
y1 = [8.6,6.0,3.95,0.2,0.2,0] ;monthly frequency values (high)
```

```
y2 = [5,2.8,0,0,0,0] ;monthly frequencies values (low)
```

```
y3= [9.92,3.04,0.21,0.08,0.04,0] ;monthly frequency values (other)
```

```
loadct,0,/silent
```

```
t = timegen(6, start=julday(9, 15, 2012), units='months') ;caldat=julday
```

```
void = label_date(date_format='%N')
```

```
plot, t, randomu(seed, 6), yrange=[0,15], xtickformat='label_date', $
```

```
      xstyle=3, ystyle=3, xminor=1, xticks=5, charsize=1.25, charthick=4, xthick=4, ythick=4,  
      title='Cluster 1', xtitle='Months', ytitle='Frequency'
```

```
loadct, 34, /silent
oplot, t,y1, psym=2, thick=4, color=30 ;blue asteriks (low years)
oplot, t,y2, psym=5, thick=4, color=150 ;green triangles (high years)
oplot, t,y3, psym=6, thick=4, color=250 ;red squares (other years)
```

```
if layout eq 'ps' then device,/close
```

```
end
```

Thanks,

TB

On Wednesday, April 17, 2013 7:06:03 PM UTC-4, David Fanning wrote:

```
> TB writes:
```

```
>
>
>
>>
>
>> I am trying to create a customized axis that goes 9,10,11,12,1,2 (in accordance with
September through February the next calendar year). Any suggestions?
```

```
>
>
>
> IDL> t = timegen(6, start=Julday(9, 15, 2012), units='months')
>
> IDL> void = label_date(date_format='%N')
>
> IDL> cgplot, t, randomu(seed, 6), xtickformat='label_date', $
>
>      xstyle=1, xticks=5
```

```
> Cheers,
```

```
> David
```

```
> --
```

```
> David Fanning, Ph.D.
```

```
> Fanning Software Consulting, Inc.
```

```
> Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
```

>
> Sepore ma de ni thue. ("Perhaps thou speakest truth.")

Subject: Re: custom x axis

Posted by [David Fanning](#) on Fri, 19 Apr 2013 22:18:00 GMT

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

tballinger6@gmail.com writes:

> Thanks for the advice. I am trying to plot different frequencies for each month (hence the three symbols per month), but keep getting this additional white line running the screen (across all months). Any idea how to remove that line, but keep the other symbols for each month?

Well, I guess I would add a NODATA=1 keyword on the Plot command. :-)

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>

Sepore ma de ni thue. ("Perhaps thou speakest truth.")

Subject: Re: custom x axis

Posted by [chris_torrence@NOSPAM](#) on Fri, 19 Apr 2013 23:22:12 GMT

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

Just for fun, here's the same code, but with function graphics:

```
y1 = [8.6,6.0,3.95,0.2,0.2,0] ;monthly frequency values (high)
y2 = [5,2.8,0,0,0,0] ;monthly frequencies values (low)
y3= [9.92,3.04,0.21,0.08,0.04,0] ;monthly frequency values (other)
t = timegen(6, start=julday(9, 15, 2012), units='months') ;caldat=julday
void = label_date(date_format='%N')
```

```
p = plot(t,randomu(seed,6),yrange=[0,15], $
xtickformat='label_date',title='Cluster 1', $
xtitle='Months', ytitle='Frequency',/nodata)
p1=plot(t,y1,'*b',/over,sym_thick=2,name=' low years')
p2=plot(t,y2,'gtu',/over,sym_thick=2,name=' high years')
p3=plot(t,y3,'rs',/over,sym_thick=2,name=' other years')
```

leg = legend(position=[0.75,0.75])

-Chris
ExelisVIS

Subject: Re: custom x axis

Posted by [TB\[1\]](#) on Sat, 20 Apr 2013 15:26:08 GMT

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

Worked great, thanks so much!

TB

On Friday, April 19, 2013 6:18:00 PM UTC-4, David Fanning wrote:

> tballinger6@gmail.com writes:

>

>

>

>> Thanks for the advice. I am trying to plot different frequencies for each month (hence the three symbols per month), but keep getting this additional white line running the screen (across all months). Any idea how to remove that line, but keep the other symbols for each month?

>

>

>

> Well, I guess I would add a NODATA=1 keyword on the Plot command. :-)

>

>

>

> Cheers,

>

>

>

> David

>

>

>

>

>

>

>

> --

>

> David Fanning, Ph.D.

>

> Fanning Software Consulting, Inc.

>

> Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>

>
> Sepore ma de ni thue. ("Perhaps thou speakest truth.
