Subject: plot String data
Posted by Ali Gamal on Sun, 01 May 2016 17:56:30 GMT
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hi,
I have string data and normal data , I want to plot this data as X axis string data and Y x with normal data.
.....
;;;;;;;;;;;;;;;;;;;;;;;;;
openr,1,'/home/a.txt'
a=strarr(49)
readf,1,a
openr,2,'/home/b.dat'
b=fltarr(49)
readf,2,b
plot,a,b
end
.....
;;;;;;;;;;;;;;;;;;;;;;;;;
but it is not true.

Subject: Re: plot String data
Posted by wlandsman on Mon, 02 May 2016 14:27:27 GMT
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So you have a string array X = ['lions','tigers','bears'] and you want to plot Y versus X. I don't think so.

It is possible you want to make a box plot with the X axis labeled with strings.
You can find examples of how to do this in the PLOT help page

http://www.harrisgeospatial.com/docs/PLOT_Procedure.html

or on David Fanning's plot gallery

http://www.idlcoyote.com/gallery/

On Sunday, May 1, 2016 at 1:56:34 PM UTC-4, AGW wrote:
> hi,
> I have string data and normal data , I want to plot this data as X axis string data and Y x with normal data.
> .....
> ;;;;;;;;;;;;;;;;;;;;;;;;;
> openr,1,'/home/a.txt'
> a=strarr(49)
> readf,1,a
> openr,2,'/home/b.dat'
> b=fltarr(49)

> readf,2,b
> plot,a,b
> end
> ;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;
> but it is not true.

Subject: Re: plot String data
Posted by Helder Marchetto on Mon, 02 May 2016 20:31:45 GMT
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On Sunday, May 1, 2016 at 6:56:34 PM UTC+1, AGW wrote:
> hi,
> I have string data and normal data , I want to plot this data as X axis string data and Y x with normal data.
> ;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;
> openr,1,'/home/a.txt'
> a=strarr(49)
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> openr,2,'/home/b.dat'
> b=fltarr(49)
> readf,2,b
> plot,a,b
> end
> ;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;
> but it is not true.

I did this sort of thing using function graphics. In my case, I did a histogram of the frequency with which certain words appeared. I then sorted the words according to their frequency and plotted this in a barplot type histogram. This works however also for a simple plot().
Basically it is something like this:

```
xx = findgen(10)
yy = findgen(10)
pp = plot(xx,yy)
pp['xaxis'].tickInterval = 1
tn = pp['xaxis'].tickname
for i=0,9 do tn[i]=string(byte(i)+97b)
tn[10] = ''
pp['xaxis'].tickname = tn
```

Something like this was shown a few days ago on the newsgroup and I found it really nice. I think it was Pablo P.

Cheers,
Helder
