
Subject: Re: How do I create a scatter plot with colored symbols in accordance with their frequency of occurrence?

Posted by [atmospheric physics](#) on Thu, 05 Jun 2014 15:53:39 GMT

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

Thank you David ...It works!

On Thursday, June 5, 2014 12:01:00 AM UTC+2, David Fanning wrote:

> Madhavan Bomidi writes:

>

>

>

>> I know how to make a scatter plot. But I want the symbol colors being represented by the frequency of occurrence. Can anyone help me with an example synthetic data?

>

>

>

> x = RandomU(-3L, 200)*5

>

> y = 2.2 + RandomU(-5L, 200)*x

>

> data = RandomU(-2L, 200) * 10

>

>

>

> h = cgHistogram(data, binsize=0.5, REVERSE_INDICES=ri)

>

> cgLoadCT, 33, NColors=20

>

> cgPlot, x, y, /NoData, Position=[0.15,0.15, 0.8, 0.9]

>

> FOR j=0,19 DO BEGIN

>

> indices = cgReverseIndices(ri, j, COUNT=count)

>

> IF count GT 0 THEN BEGIN

>

> cgPlotS, x[indices], y[indices], PSYM=16, COLOR=Byte(j)

>

> ENDIF

>

> ENDFOR

>

> cgColorbar, NColors=20, Range=[0,10], Divisions=10, /Vertical, \$

>

> Title='Frequency of Occurance', TLocation='Right'

>

> END
>
>
>
> 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.")
