
Subject: Re: scatter plot , intensity colors. Help
Posted by [David Fanning](#) on Fri, 15 Nov 2013 16:54:42 GMT
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Lim writes:

- > 1. Colors: I have updated my coyote library. Now I can see the colors. Thanks.
- >
- > 2. Colorbar: To be honest I do not have a clear idea about how to include the color bar with the colors matching those I used in the intensity. I will appreciate any suggestions.

I would probably do it like this:

```
;-----  
X=[2, 4, 5, 6, 7, 8]  
Y=[20, 40, 45, 30, 10, 5]  
I=[100,200,300,400,500,600]  
  
;intensity color  
colors = cgScaleVector(Findgen(N_Elements(I)), Min(I), Max(I))  
clr = Value_Locate(colors, I)  
clr = Byte(Round(cgScaleVector(clr, 0, 255)))  
TVLCT, r, g, b, /Get  
TVLCT, r[clr], g[clr], b[clr], 1  
TVLCT, r, g, b, /Get  
  
cgWindow, 'TVLCT', r, g, b  
  
;the scatterplot  
cgPlot, X, Y, /Nodata, /AddCMD, Position=[0.125, 0.125, 0.9, 0.8]  
FOR j=0,N_Elements(X)-2 DO cgPlotS, [X[j], X[j+1]], [Y[j], Y[j+1]], $  
    Color=clr[j+1], Psym=16,symsize=2,/AddCMD  
FOR j=0,N_Elements(pNPP)-1,2 DO cgPlotS, X[j], Y[j], $  
    Color=clr[j+1], Psym=16,symsize=2, /AddCMD  
  
cgDCBar, NColors=N_Elements(clr), Bottom=1, /AddCmd  
END  
;-----
```

Cheers,

David

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