Subject: Re: colorbar question
Posted by zolile mtumela on Tue, 17 Apr 2012 18:29:49 GMT
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On Apr 17, 8:00 pm, David Fanning <n...@idlcoyote.com> wrote:
> zolile mtumela writes:
>> My problem is that, we have values between(1 to 5 mHz) lets say
>> (2.1, 2.3,2.5,2.9,3.3,4.2,..)that correspond to these cities/mag
>> stations. Each and every city has their value. I want a different
>> color for each city and display that color at the color with their
>> value. With xyouts,...,color=220, displays one color in all cities on
>> the map. I want different for these cities and also represent using
>> color bar.
>
> Yes. Color 220 is a *particular* color in the color table. It is
> always the *same* color! Suppose your city colors range from 1.1 to 5.8.
> You could scale these colors into the 256 values of the color table
> by doing something like this:
>
> minCityClr = 1.1
> maxCityClr = 5.8
> XYOuts, ..., Color=BytScl(cityColor, MIN=minCityClr, MAX=maxCityClr)
>
> Now, your colors will look something like this:
>
> Print, BytScl(2.1, MIN=minCityClr, MAX=maxCityClr)
> 54
> Print, BytScl(2.3, MIN=minCityClr, MAX=maxCityClr)
> 65
> Print, BytScl(2.5, MIN=minCityClr, MAX=maxCityClr)
> 76
>
> This way, you are at the mercy of your color table. So
> I wouldn't do it this way. I would probably just make
> a vector of colors with the right number of colors:
>
> cityColors = ['red', 'green', 'purple', ...]
>
> And do it in a loop:
>
> FOR j=0,numCities-1 DO cgText, city_lon[j], city_lat[j], $
> city_name[j], Color=cityColors[j]
>
> And, yeah, I'd be using Coyote Graphics routines. :-)
>
> Cheers,
>
> David

>
> --
> David Fanning, Ph.D.
> Fanning Software Consulting, Inc.
> Coyote's Guide to IDL Programming:http://www.idlcoyote.com/
> Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Thank you a lot. I will study this program!!
