Subject: Re: specialized color tables
Posted by David Fanning on Tue, 04 Nov 2008 19:25:12 GMT
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Mark writes:

> I've worked on this a bit and I've found that its hard to come up with
> 6-8 distinct colors which have 6-8 distinct shades. I was wondering
> if anyone knew of such a color set that accomplishes this. The Brewer
> color tables do this pretty well for 3-4 colors, but I'm going to
> require more base colors than that.....

I've displayed some Brewer color tables with 16
shades in this article:

http://www.dfanning.com/color_tips/brewer.html

I think if you do the same thing with 8 colors
(instead of the 16 I used), you might have 8
fairly distinct colors.

Cheers,

David
--
David Fanning, Ph.D.
Coyote's Guide to IDL Programming (www.dfanning.com)
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: specialized color tables
Posted by pgrigis on Tue, 04 Nov 2008 19:47:51 GMT
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You should be aware that if you do this, colorblind
people will probably not be able to read your plot.
Therefore, you may want to think about alternative
way to represent the data instead...

Ciao,
Paolo

Mark wrote:
> Hello.
>
> I have a data set that I want to display according to a color scheme
> like this one. The data can be group into 6-8 sets (eg, A,B,C....),
> with each set divided into 6-8 subsets (eg, A1,A2,A3...

> B1,B2,B3...C1,C2,C3...).
>
> I'd like to color each group with a basic color, with the subsets
> having different shades of the same color, something along the lines
> of
>
> A1: firetruck red
> A2: red
> A3: rust
>
> B1: orange
> B2: darker orange
> B3: dingy orange
>
> etc.
>
> I've worked on this a bit and I've found that its hard to come up with
> 6-8 distinct colors which have 6-8 distinct shades. I was wondering
> if anyone knew of such a color set that accomplishes this. The Brewer
> color tables do this pretty well for 3-4 colors, but I'm going to
> require more base colors than that.....
>
>
> Thanks,
>
> Mark

Subject: Re: specialized color tables
Posted by David Fanning on Tue, 04 Nov 2008 20:07:43 GMT
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Paolo writes:

> You should be aware that if you do this, colorblind
> people will probably not be able to read your plot.
> Therefore, you may want to think about alternative
> way to represent the data instead...

I've also noticed that if you write the program
documentation in English, quite a few people are
not able to read it. One alternative is to screw
the documentation and write intuitive programs
instead. :-)

Cheers,

David

--
David Fanning, Ph.D.
Coyote's Guide to IDL Programming (www.dfanning.com)
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: specialized color tables
Posted by pgrigis on Tue, 04 Nov 2008 20:15:44 GMT
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David Fanning wrote:
> Paolo writes:
>
>> You should be aware that if you do this, colorblind
>> people will probably not be able to read your plot.
>> Therefore, you may want to think about alternative
>> way to represent the data instead...
>
> I've also noticed that if you write the program
> documentation in English, quite a few people are
> not able to read it. One alternative is to screw
> the documentation and write intuitive programs
> instead. :-)

I thought you were learning spanish.... have you tried that? ;-)

Ciao,
Paolo

>
> Cheers,
>
> David
> --
> David Fanning, Ph.D.
> Coyote's Guide to IDL Programming (www.dfanning.com)
> Sepore ma de ni thui. ("Perhaps thou speakest truth.")
