
Subject: Re: block fill image

Posted by [kfish](#) on Tue, 30 Sep 2008 15:04:32 GMT

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On Sep 5, 10:29 am, Bennett <juggernaut...@gmail.com> wrote:

> On Sep 5, 9:50 am, "ben.bighair" <ben.bigh...@gmail.com> wrote:

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>> On Sep 5, 7:58 am, maffie <matthias.demuz...@geo.kuleuven.be> wrote:

>

>>> Dear all,

>

>>> I would like to make an image, presenting cluster classes on the x-
>>> axes, and different variables on the Y-axes. Each combination (Xi,Yi)
>>> should be represented by a block, whereby its color fill should
>>> represent a standard deviation, and with the mean written in the box
>>> as text.

>

>> Hi,

>

>> I think you could simply create the image and populate each pixel with
>> the standard deviation. Then the trick is to use an image display
>> routine that will use nearest neighbor interpolation - try David
>> Fanning's TVSCALE or Liam Gumley's IMDISP for example. You'll want to
>> carefully control the color scheme for which each of these gives you
>> plenty of options. The subsequent annotations can be done using
>> XYOUTS like this..

>

>> dy = (y[1]-y[0])/2.
>> for i = 0L, nx-1 do begin
>> for j = 0L, ny-1 do begin
>> XYOUTS, x[i], y[j] + dy, stddev[i,j], ALIGN = 0.5,
>> endfor ; j loop
>> endfor ; i loop

>

>> You may want to add an offset in the Y direction for the image - that
>> is what the dy is about.

>

>> Cheers,

>> Ben

>

> polyfill is another IDL procedure that you may be interested in if you
> are wanting to make blocks of different colors on the plot- Hide quoted text -

>

> - Show quoted text -

I'm just learning IDL and am having a heck of a time figuring out how to make just a simple block plot. What I'd like to do, for example, is plot temperature by depth on the x and y and have another variable, fish growth, color coded in each temp-depth cell. I'm assuming I can do this with polyfill or contour, but haven't been able to figure out how. I'd appreciate any help I can get on this. Thanks!
