Subject: Re: block fill image
Posted by ben.bighair on Fri, 05 Sep 2008 13:50:16 GMT
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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