Subject: Re: CONTOURing one dimension data
Posted by ben.bighair on Tue, 07 Feb 2012 20:11:27 GMT
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On Feb 7, 12:46 am, shambhu <shambhu.mc...@gmail.com> wrote:
> Hi,
>
> I have a structured data of one dimension (ex: data.field14). I want
> to contour it over a continents map. How to CONTOUR one dimension
> data.
>
> Please help me.

Hi,

I'm not sure I understand completely, but since a contour identifies
groups of similar value in a set, then you could use VALUE_LOCATE to
group your data.

x = randomu(seed, 100)
plot,x

; use value_locate to assign x-values into the sets 0-0.25,
0.25-0.5, ... left side open, right side closed (I think)
ix = VALUE_LOCATE([0.0, 0.25, 0.5, 0.75], x)

;
; Dr. Fanning, please don't look. Thanks.
;
device, decomposed = 0
tek_color
for i = 0, 99 do plots,i,x[i], psym = 6, col = ix[i] + 1

Is that what you mean? I'm a little fuzzy about putting it on a map.
Without locational info, how would you know where to place it on the
map?

If you actually have Lon, Lat values associated with each of your
points, then you can use

cgContour, data, lon, lat, ...

and you are good to go! http://www.idlcoyote.com/idldoc/cg/cgcontour.html

Cheers,
Ben