Subject: Re: Help with reading structure from file
Posted by btt on Wed, 07 Feb 2001 15:01:33 GMT
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Hello,

I haven't used PV-Wave in a very long time but I do recall the very nice DC_Read* functions (I might not have the syntax quite right) that were great for reading column-oriented flat files. Have you tried those?

Ben

Surendar Jeyadev wrote:

> In the loosing battle with the Excel users, the latest direct hit was reading
> in a file that contained strings and numeric data in each line. Having given
> up (and as the only hold out against Excel!), I need HEEELLLPPP.
>
> This is the simplified problem. I am trying to read data in the following
> format:
>
> 001a 312.194 76.922 296.301 21.462 0.453 289.515 0.957
> 001b 363.748 106.090 506.188 19.430 0.528 347.252 1.176
> 001c 398.248 138.541 724.470 17.152 0.578 383.534 1.701
> 002a 294.593 28.525 248.744 8.532 0.428 290.497 1.268
> 002b 353.415 46.290 449.015 7.974 0.513 349.565 2.011
> 002c 401.279 80.260 661.701 3.341 0.582 395.403 4.529
> ....
> ....
>
> i.e. in the format "(4x,a4,7f9.3)". I would like it to go into a 2 dimensional
> structure.
>
> I cannot find a way of reading it as a entire array. At present, all I can
> come up with is
>
> nsets = 108 ; number of lines of data
> f1 = "(4x,a4,7f9.3)"
> a = string(4)
> y = fltarr(7)
> dpt = { fullrow, id: ' ', x: fltarr(7) }
> fulldata = replicate({fullrow}, nsets)
>
> openr, 1, 'data'
> for i=0,nsets-1 do begin
> readf, 1, format = f1, a, y
> fulldata(i).id = a
> fulldata(i).x = y

> endfor
> close, 1
>
> Is there any way of avoiding the temporary variables and the loop? I am
> using PV-Wave CL, Ver 6.
> --
>
> Surendar Jeyadev jeyadev@wrc.xerox.com

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