Subject: Re: working with restored values
Posted by Cathy Campo on Mon, 02 Mar 1998 08:00:00 GMT

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> Cathy Campo (campo@gav.gat.com) writes:
>
> I am restoring a save file (i do not know the names of the
> variables in advance or their data type), and displaying some of the
> variable names to the user to choose from in a droplist.
>
> restore, 'junk.sav'
> help, output=tmpstr
> varlist = strarr(5)
> varlist = tmpstr(0:4)
> widget_control, droplist, set_value=varlist
>
> i would like to save the actual values of the variables in a
> array of pointers. (have this be the uvalue of the droplist?)
> but how would i do this?
>
> later i would be using the array of pointers in the event
> loop of the droplist to do calculations with the value chosen.

David Fanning wrote:

> I would try something like this:
>
>   varValues = FltArr(5)
>   For j=0,4 DO ok = Execute('varValues[j] = ' + varlist[j])
>   Widget_Control, droplist, Set_Value=varlist, Set_UValue=varValues

David's suggestion would be good if I knew that all of the
variables were of data type 'float', but I don't. So using his
advice and my idea of pointers, I am able to do this:

```
restore, 'junk.sav'
help, output=tmpstr
varlist = strarr(5)
varlist = tmpstr[0:4]
widget_control, droplist, set_value=varlist
; store varlist in uvalue of base widget
ptr = ptrarr(5, /allocate_heap)
for i = 0, 4 do ok = execute('*ptr[i] = ' + varlist[i])
widget_control, droplist, set_uvalue=ptr
```

in the event loop i am able to do this:

; get back varlist from uvalue of base widget

```
widget_control, droplist, get_uvalue=ptr
nvars = n_elements(varlist)
for i = 0, nvars-1 do begin
   print, varlist[i]
   help, *ptr[i]
endfor
```

Cathy