
Subject: widget

Posted by [Marco Otto](#) on Fri, 07 Oct 2011 18:42:10 GMT

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Hi

I am new to widget programming in IDL :-(

maybe someone can tell me how to realise the second step:

1. read a .sav file
2. if there are more than one variable stored then give me a list of variables (here comes the widget - hence the hard part for me) where I can interactively select the variable I want to be read into IDL
3. rename the variable

That's all! But somehow I don't get it - seems a bit over complicated in IDL - but the problem is definitely sitting in front of the screen ;-)

Here is what I have so far

```
pro rename_input_to_lu_mask, fname, lu_msk

  restore, fname
  ; I don't know the exact name of the variable so I have to find them
  from the main level
  level = Scope_Level()
  arg = Scope_VarName(Level = Level)

  ; find all known/defined variables at the main level
  idx = where(arg ne str_equiv('FNAME') and arg ne str_equiv('LEVEL')
and arg ne str_equiv('LU_MSK') and arg
      ne str_equiv('ARG') and arg ne str_equiv('IDX') and
arg ne str_equiv('VERBOSE') and arg ne
      str_equiv('CNT') and arg ne str_equiv('tlb') and
arg ne str_equiv('wid') and arg ne str_equiv('base')
      and arg ne str_equiv('EVENT'), cnt )

  ; the easy case: the one not found at main level are the restored
  ones - that works perfectly for me
  if cnt eq 1 then lu_msk = Scope_VarFetch(arg[idx], LEVEL=LEVEL)

  ; the not so easy (and not working so far) case
  if cnt gt 1 then begin

    print, 'There is more than one variable stored in the sav-file!'
```

```
base=WIDGET_BASE(/COLUMN,title='Select variable!',xsize=300,  
ysize=250)
```

```
wid= WIDGET_LIST(base,VALUE= str_equiv(arg[idx]))
```

; the following is just a rough guess! I already know that's not
working but with one or two more lines of the

; right code it should work shouldn't it ? :-)

```
WIDGET_CONTROL,wid, /REALIZE,/SHOW, GET_VALUE=wid,FUNC_GET_VALUE =  
'Scope_VarFetch()'/,SENSITIVE
```

```
endif
```

```
end
```

any help will be appreciated.

Regards

Marco Otto
