
Subject: Re: "shrink" structures

Posted by [Johannes Korn](#) on Wed, 10 Feb 2010 07:43:11 GMT

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David Fanning wrote:

> Johannes Korn writes:

>

>> Hi,

>>

>> I usually read ascii tables using read_ascii with a ascii template which
>> gives me an anonymous structure with fields of the same length.

>>

>> for example

>> d=READ_ASCII('file', TEMPLATE=templ)

>>

>> afterwards d is d.date, d.time and d.value

>>

>> I would like to "shrink" d to contain only a specific date.

>>

>> Something like

>> ind=where(d.date eq '10052000')

>> d = d[ind]

>>

>> This doesn't work of course but I thought at least d.date = d.date[ind]
>> should. But this doesn't resize d.date but only fills all locations with
>> the values of d.date[ind].

>>

>> Is there any other way than to copy everything to arrays?

>

> How about a shrunken structure? Consider this function:

>

> ,*****

> Function ShrinkStruct, struct, indices

>

> tags = N_Tags(struct)

> fieldNames = Tag_Names(struct)

>

> newStruct = Create_Struct(fieldNames[0], \$
> (struct.(0))[indices])

> FOR j=1,tags-1 DO BEGIN

> newStruct = Create_Struct(newStruct, fieldnames[j], \$
> (struct.(j))[indices])

> ENDFOR

>

> RETURN, newStruct

>

> END

> ,*****

>

That's what I was looking for. Thanks a lot!

Johannes
