
Subject: Re: Writing 2 arrays of a different type into one text file
Posted by [Helder Marchetto](#) on Fri, 23 Oct 2015 12:13:51 GMT
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On Friday, October 23, 2015 at 1:52:59 PM UTC+2, Kai Heckel wrote:

> Am Freitag, 23. Oktober 2015 11:25:37 UTC+2 schrieb Helder:

>> On Friday, October 23, 2015 at 10:10:38 AM UTC+2, Kai Heckel wrote:

>>> Hello!

>>>

>>> Is it possible to write 2 arrays into one text file?

>>> What I have are 2 arrays: 1) float, 2) string.

>>> I would like to write the string array into the 1st column and the float array into the 2nd column. Is this somehow possible?

>>>

>>> Thanks in advance

>>>

>>> Cheers,

>>> Kai

>>

>> Yes.

>> arrayFloat = randomu(s, 10)

>> arrayStrings = strtrim(findgen(10),2)

>> fileName = 'testFileOutput.txt'

>> get_lun, fileUnit

>> openw, fileUnit, fileName

>> printf, fileUnit, transpose(arrayStrings+', '+string(arrayFloat,FORMAT='(f0.3)'))

>> close, fileUnit

>> free_lun, fileUnit

>>

>> Play a bit around with string() and the format keyword. A way or another, you will get what you want (constant width for the columns or number of decimals, separator, ...).

>>

>> Cheers,

>> Helder

>

> Thanks Helder!

>

> But I'd like to have the strings in the 1st column and the according float value in the 2nd column... I looked it up under FORMAT but I couldn't find the right thing. Do you have a solution for this?

>

> Cheers,

> Kai

Hi Kai,

did you try the solution I gave? It gives *exactly* what you're asking for. Of course you need to have strings in the "arrayStrings" and numbers in the "arrayFloat"...

Then you get two columns, that in my case look like:

0.000000, 0.590
1.00000, 0.135
2.00000, 0.196
3.00000, 0.020
4.00000, 0.190
5.00000, 0.604
6.00000, 0.286
7.00000, 0.527
8.00000, 0.510
9.00000, 0.570

Make sure you have two arrays with the same number of elements:

IDL> help, arrayStrings

ARRAYSTRINGS STRING = Array[10]

IDL> help, arrayFloat

ARRAYFLOAT FLOAT = Array[10]

Cheers,
Helder
