
Subject: Re: Rebin for strings

Posted by [pgrigis](#) on Thu, 11 Mar 2010 22:05:16 GMT

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On Mar 11, 4:31 pm, Gray <grayliketheco...@gmail.com> wrote:

> Hi all,
>
> I'm looking for a way to expand a 1-d string array into 2-d, just like
> I would use rebin for almost any other data type. For example, I'd
> like to do something like this:
>
> IDL> o = ['d','b','m','q','t']
> IDL> oo = rebin(transpose(o),14,5,/sample)
>
> But obviously that won't work. Is there a better way than something
> like this (which is okay here, but for more complicated examples might
> not be feasible):
>
> IDL> tmp = execute('oo = transpose([[+strjoin(replicate('o',14),'),[''
> +']]])')
>
> Any suggestions would be helpful!

Well,
what about a little looping?

```
oo=strarr(14,5)
for i=0,13 do oo[i,*]=o
```

Loops are not that evil after all :)
at least not for small-ish arrays.

Ciao,
Paolo

>
> --Gray

Subject: Re: Rebin for strings

Posted by [rogass](#) on Thu, 11 Mar 2010 22:18:22 GMT

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On 11 Mrz., 23:05, Paolo <pgri...@gmail.com> wrote:

> On Mar 11, 4:31 pm, Gray <grayliketheco...@gmail.com> wrote:
>
>
>

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> Loops are not that evil after all :)
> at least not for small-ish arrays.
>
> Ciao,
> Paolo
>
>
>
>
>> --Gray
```

Hi, why not: oo=(replicate({o : ['d','b','m','q','t']} ,14)).(0)

Cheers :)

CR

Subject: Re: Rebin for strings
Posted by [Heinz Stege](#) on Fri, 12 Mar 2010 03:19:23 GMT

On Thu, 11 Mar 2010 13:31:53 -0800 (PST), Gray wrote:

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> Any suggestions would be helpful!
>
> --Gray
```

My suggestion is:

```
o = ['d','b','m','q','t']
ii = rebin(lindgen(1,5),14,5,/sample)
oo = o[ii]
```

HTH, Heinz

Subject: Re: Rebin for strings

Posted by [Michael Galloy](#) on Fri, 12 Mar 2010 03:35:25 GMT

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On 3/11/10 2:31 pm, Gray wrote:

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```

The correspondence between strings and byte arrays makes strings not so different from other types:

```
IDL> oo = string(reform(rebin(byte(o), 14, 5), 1, 14, 5))
```

Mike

--

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