Subject: Re: How can I append a leading or trailing column to an existing array?
Posted by Benjamin Hornberger on Thu, 16 Nov 2006 21:52:46 GMT
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willettk@gmail.com wrote:
> G'day,
>
> I'm looking for a quick (ie, one-line method) of appending a column
> vector to an existing array. As a simple example I would like to make:
>
> 1 1
> 1 1
>
> into
>
> 2 1 1
> 2 1 1
>
> I can think of a few ways to do it (one is listed below), but I would
> really like to do it using array concatenation. I've read a good
> tutorial about it at Coyote's website, but can't figure out the proper
> bracketing. Any ideas?
>

```
IDL> a=[[1,1],[1,1]]
IDL> print,a
       1       1
       1       1
IDL> b=[[2],[2]]
IDL> print,b
       2
       2
IDL> c=[b,a]
IDL> print,c
       2       1       1
       2       1       1
```

The key is creating b with the correct dimensions. Another option is

```
IDL> b=reform([2,2],1,2)
IDL> print,b
       2
       2
```

Cheers,
Benjamin

Subject: Re: How can I append a leading or trailing column to an existing array?
Posted by Wox on Fri, 17 Nov 2006 10:06:26 GMT
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On 16 Nov 2006 13:22:19 -0800, willettk@gmail.com wrote:

> My way:
>
> a = [[1,1], [1,1]]
> b = [2,2]
> c = intarr[3,2]
> c(0,*) = b
> c(1:2,*) = a
>
> (there must be a better way . . .)

a = [[1,1], [1,1]]
b = [[2],[2]]
c=[a,b]

So, make sure b is a column vector. Define b that way or use transpose
or reform.

Subject: Re: How can I append a leading or trailing column to an existing array?
Posted by Wox on Fri, 17 Nov 2006 10:08:52 GMT
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On Fri, 17 Nov 2006 11:06:26 +0100, Wox <nomail@hotmail.com> wrote:

> a = [[1,1], [1,1]]
> b = [[2],[2]]
> c=[a,b]
>
>
> So, make sure b is a column vector. Define b that way or use transpose
> or reform.
>

Oeps, didn't see the Benjamin's reply.