
Subject: Re: More fun

Posted by [Jaco van Gorkom](#) on Mon, 20 Nov 2000 08:00:00 GMT

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How about:

```
nv = n_elements(v)/interv
result = 0.5 * rebin(v+shift(v, -interv+1), nv, /sample)
```

cheers,
Jaco

"Martin Schultz" <martin.schultz@dkrz.de> wrote in message
news:3A1969E0.175876A8@dkrz.de...

> "J.D. Smith" wrote:

>>

>> Here's one I just came up against. Suppose you want to rebin a vector
>> to some smaller size, an integer factor smaller. E.g. 100 elements to
>> 20 elements. Now, rather than the average of those elements in each
>> interval, etc., you want merely the average of the first and last member
>> of that interval. E.g., you want:

>>

>> [(v[0]+v[4])/2, (v[5]+v[9])/2, (v[10]+v[14])/2, ...]

>>

>> Rebin by itself can't work, I don't think.

>>

>> Takers?

>>

>> JD

>>

>> P.S. No for loops please. Bonus points if you don't build an explicit
>> index list.

>>

>> --

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>

>

> Missing the bonus, I would suggest

> nv=N_Elements(v)/5

> res=0.5*(v[lindgen(nv)*5] + v[lindgen(nv)*5+4])

>

> But I am sure there is a way to do this with histogram ;-)

>

> Cheers,

```
> Martin
>
> --
> [
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```
