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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