
Subject: Re: Simple question in IDL, looking for solution, thank you
Posted by [Heinz Stege](#) on Tue, 23 Oct 2012 22:21:26 GMT
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On Tue, 23 Oct 2012 15:57:20 -0400, Jeremy Bailin wrote:

> A couple of notes:

>

> JBIU has a weighted histogram function:

> [http://astroconst.org/jbiu/jbiu-doc/math/histogram_weight.ht ml](http://astroconst.org/jbiu/jbiu-doc/math/histogram_weight.html)

>

This is really great. I have learned something new again. Thank you,
Jeremy.

For the documentation: Jeremy's way of "chunk indexing" goes the
following way:

```
h=histogram(arr,min=0,reverse_indices=ri)
sum=lonarr(size(h,/dimensions))
for i=0l,n_elements(h)-1 do $
  if h[i] gt 0 then sum[i]=total(bcg[ri[ri[i]:ri[i+1]-1]],/integer)
print,sum[1:*
```

Small code, very fast, and low memory consumption. This is perfect.

Cheers, Heinz

> Regarding reverse_indices using lots of memory on sparse histograms: use

> VALUE_LOCATE!

> http://www.idlcoyote.com/code_tips/valuelocate.html

>

> -Jeremy.
