Subject: array manipulation (TOTAL-ing or MEDIAN-ing) in uneven bins
Posted by havok2063 on Wed, 12 Dec 2012 16:16:21 GMT
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I have several unrelated problems that I'm solving in the same efficient way (with loops). I'm trying to perform some array operation on an array, according to a list of (let's call them) uneven bins.

I have an array, say d, of 146 elements. I have a separate array that represents uneven bins that I want to perform the operation on, like MEDIAN, or TOTAL. For example,

ntot = [15,45,56,90,116,146]

I want as output an array, of 6 elements, that contains the MEDIAN (or TOTAL) of array d according to the indices listed in ntot.

So the 1st element would contain median(d[0:14],/even), the 2nd median(d[15:44],/even), etc....

Or the same thing with total....total(d[0:14]), total(d[15:44]) , etc...

Right now I'm looping over the number of elements in ntot to do this and I don't much care for loops.

I don't think this is quite the same thing as the example given in the "Horror and Disgust of Histogram" article nor does this sound like something I can do with value_locate, although I'm not too familiar with value_locate.

Any ideas on this? Thanks a lot.