
Subject: Re: Finding duplicate values in an array
Posted by [andy](#) on Tue, 19 Jul 1994 19:12:05 GMT
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In article <30goug\$bkp@nyx10.cs.du.edu>, slohmeie@nyx10.cs.du.edu (stephen lohmeier) writes:

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> In article <1994Jul18.171646@chapman.gsfc.nasa.gov>,  
> Ian Sprod <sprod@chapman.gsfc.nasa.gov> wrote:  
>>  
>> I seem to remember the topic of finding duplicate values in an array  
>> was discussed some months ago, but i never did read the end of the thread.  
>>  
>> What is the _fastest_ way to throw duplicated values out?  
>>  
>> thanks  
>>  
>> ian  
>  
> This is how I'd do it:  
>  
> ;array of values  
> arr = [.14, .11, .13, .12, .13, .13, .12, .13, .09, .13, .10, .12, .09, .14]  
>  
> ;sort array  
> arr_sorted = arr(sort(arr))  
>  
> ;find disparity between adjacent elements  
> n = n_elements(arr_sorted)  
> disparity = arr_sorted(1:n-1)-arr_sorted(0:n-2)  
>  
> ;find locations where disparities are non-zero  
> index = where(disparity)+1  
>  
> ;non-duplicated array  
> arr_nodups = [arr_sorted(0), arr_sorted(index)]  
>  
> END  
>  
> Hope this helps.  
>  
>
```

How about this...

```
arr = [.14, .11, .13, .12, .13, .13, .12, .13, .09, .13, .10, .12, .09, .14]  
arr_nodups = arr(unique(arr,sort(arr)))
```

Andy

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