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Subject: Re: drop array elements

Posted by [Liam E. Gumley](#) on Fri, 25 Aug 2000 07:00:00 GMT

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"J.D. Smith" wrote:

```
>
> Matthew Kay wrote:
>>
>> Would anyone have any suggestions for an easy way
>> to drop elements in an array? For example, say 'a'
>> is a 14x1024 array and 'b' is a 1x25 array of row
>> indices in 'a' that should be dropped. Is there
>> a simple command for re-assigning 'a', without the
>> 25 rows indicated in 'b'?
>>
> a=a[*,where(histogram(b,MIN=0,MAX=(size(a,/DIMENSIONS))[1]-1 ,BINSIZE=1) eq 0)]
>
> The real meat here is finding a list of indices which do not contain the
> elements of b. There are many ways to do this, but this is a fast one.
```

I just *\*had\** to understand this one. Here's another way of implementing this method:

```
;- Get number of rows in a
dims = (size(a, /dimensions))[1]
```

```
;- Create index array for rows of a (1=keep the row, 0=discard the row)
index = replicate(1L, nrows)
index[b] = 0L
```

```
;- Locate the indices of rows we wish to keep
keep = where(index eq 1)
```

```
;- Extract the rows we wish to keep
a = (temporary(a))[*, keep]
```

Cheers,

Liam.

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