Subject: Re: Array matching? Posted by Jean H. on Thu, 14 Sep 2006 22:44:32 GMT

View Forum Message <> Reply to Message

For the 2nd time today, what about reading http://www.dfanning.com/tips/histogram\_tutorial.html

#### Jean

```
> match = where(hi eq lo)
> hits = hi[match]
> dat[hits] = (dat[hits -1] + dat[hits+1])/2.
> but I'm not sure how to compare two arrays in IDL to find the indices
> where the values in one array match the values in another array without
> using a for loop.
> Any clever ideas how to do this would be appreciated.
> --Greg
>
```

Subject: Re: Array matching?
Posted by gknoke on Fri, 15 Sep 2006 20:37:48 GMT
View Forum Message <> Reply to Message

Thanks for the tip. I'm still relatively new to IDL, I really had no idea all the things histogram was capable of. Such an unassuming function name with so much potential...

### --Greg

```
Jean H. wrote:
```

- > For the 2nd time today, what about reading
- > http://www.dfanning.com/tips/histogram\_tutorial.html

> Jean

>

>

>> match = where(hi eq lo)

- >> hits = hi[match]
- $\rightarrow$  dat[hits] = (dat[hits -1] + dat[hits+1])/2.

>>

- >> but I'm not sure how to compare two arrays in IDL to find the indices
- >> where the values in one array match the values in another array without
- >> using a for loop.

>>

>> Any clever ideas how to do this would be appreciated.

>> >> --Greg >>

Subject: Re: Array matching?

Posted by David Fanning on Fri, 15 Sep 2006 20:50:16 GMT

View Forum Message <> Reply to Message

## Greg writes:

- > Thanks for the tip. I'm still relatively new to IDL, I really had no
- > idea all the things histogram was capable of. Such an unassuming
- > function name with so much potential...

Yeah, well, keep it to yourself. Word of this leaks out and we will be absolutely inundated with MatLab users over here. :-(

Cheers,

David

P.S. Someone made a serious mistake because you are not suppose to know about this until AFTER you have learned the secret handshake. I'll be filing a report with the IEPA chairman, you can be sure!

--

David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: http://www.dfanning.com/
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: Array matching?

Posted by gknoke on Fri, 15 Sep 2006 21:18:11 GMT

View Forum Message <> Reply to Message

## David Fanning wrote:

- > P.S. Someone made a serious mistake because you are
- > not suppose to know about this until AFTER you have
- > learned the secret handshake. I'll be filing a report
- > with the IEPA chairman, you can be sure!

If it's supposed to be a secret to the unitiated, perhaps you shouldn't post the tutorial on the wonders of histogram in a place where anyone

Subject: Re: Array matching?

Posted by David Fanning on Fri, 15 Sep 2006 21:24:43 GMT

View Forum Message <> Reply to Message

# Greg writes:

- > If it's supposed to be a secret to the unitiated, perhaps you shouldn't
- > post the tutorial on the wonders of histogram in a place where anyone
- > using google can easily find it?

Humm. You you may have a point there. I wonder why it is so seldom read, then? :-)

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: http://www.dfanning.com/

Sepore ma de ni thui. ("Perhaps thou speakest truth.")