Subject: bad column in image
Posted by Amanda on Wed, 03 Jun 2009 01:06:09 GMT
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I'm trying to get a bad column out of an image by selecting the column and then setting all values equal to the mean of the image (probably not the best way to go about it, but I'm not very good at this). But I'm having trouble selecting the column. No matter what row or column number I put in, i.e. array=[1440,*], and then set those values to the mean, it will only change the row on the top of the image. I'm probably missing something very simple or doing something very stupid, can anyone help?

Subject: Re: bad column in image
Posted by David Fanning on Fri, 05 Jun 2009 20:14:46 GMT
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Amanda writes:

> Ok, the interpolation sounds like a much better idea, but is
> "interpol" only for vectors? I tried using it with mine and only got a
> synthax error. I know there's also an "interpolation" function, but I
> have no idea how to use it.

I thought you *had* a vector, that bad column?

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.")

Subject: Re: bad column in image
Posted by Amanda on Fri, 05 Jun 2009 20:31:27 GMT
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Sorry, I meant because I originally have an array and I was wondering if that would make a difference. What I'm doing right now is this:

```
badcol = arr[1440,*]
bad = Where(badcol GT 1000, nbad, COMPLEMENT=good, NCOMPLEMENT=ngood)
IF nbad GT 0 && ngood GT 1 THEN badcol[bad] = INTERPOL(badcol[good],
```

good, bad)

but it isn't making a difference. Do I need to set the 0 and 1 values
to something else?

Amanda

On Jun 5, 9:14 pm, David Fanning <n...@dfanning.com> wrote:
> Amanda writes:
>> Ok, the interpolation sounds like a much better idea, but is
>> "interpol" only for vectors? I tried using it with mine and only got a
>> synthax error. I know there's also an "interpolation" function, but I
>> have no idea how to use it.
>
> I thought you *had* a vector, that bad column?
>
> Cheers,
>
> David
> --
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Subject: Re: bad column in image
Posted by David Fanning on Fri, 05 Jun 2009 20:50:47 GMT
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Amanda writes:

> Sorry, I meant because I originally have an array and I was wondering
> if that would make a difference. What I'm doing right now is this:
>
> badcol = arr[1440,*]
> bad = Where(badcol GT 1000, nbad, COMPLEMENT=good, NCOMPLEMENT=ngood)
> IF nbad GT 0 && ngood GT 1 THEN badcol[bad] = INTERPOL(badcol[good],
> good, bad)
>
> but it isn't making a difference.

What, exactly, does "isn't making a difference" mean?

Cheers,

David

--
David Fanning, Ph.D.
Fanning Software Consulting, Inc.
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Subject: Re: bad column in image
Posted by Amanda on Fri, 05 Jun 2009 21:14:17 GMT
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The bad column is still there and it still looks the exact same.

Amanda

On Jun 5, 9:50 pm, David Fanning <n...@dfanning.com> wrote:
> Amanda writes:
>> Sorry, I meant because I originally have an array and I was wondering
>> if that would make a difference. What I'm doing right now is this:
>
>> badcol = arr[1440,*]
>> bad = Where(badcol GT 1000, nbad, COMPLEMENT=good, NCOMPLEMENT=ngood)
>> IF nbad GT 0 && ngood GT 1 THEN badcol[bad] = INTERPOL(badcol[good],
>> good, bad)
>
>> but it isn't making a difference.
>
> What, exactly, does "isn't making a difference" mean?
>
> 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.")

Subject: Re: bad column in image
Posted by David Fanning on Fri, 05 Jun 2009 21:20:41 GMT
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Amanda writes:

> The bad column is still there and it still looks the exact same.

Let me just make sure I understand this. You copied the
bad column out, interpolated it, then stuck it back
into the array, right? And you say the interpolated
column is identical to the uninterpolated column. You
tested this how? By subtracting the good column from
the bad column and getting an array of zeros or
something like that? Can I see some evidence?

Cheers,

David

--
David Fanning, Ph.D.
Fanning Software Consulting, Inc.
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Subject: Re: bad column in image
Posted by Amanda on Fri, 05 Jun 2009 21:26:51 GMT
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Ah, I hadn't put the interpolated column back in. Sorry, I'm still
very much a white belt when it comes to this. Your help is much
appreciated. :-)

Amanda

On Jun 5, 10:20 pm, David Fanning <n...@dfanning.com> wrote:
> Amanda writes:
>> The bad column is still there and it still looks the exact same.
>
> Let me just make sure I understand this. You copied the
> bad column out, interpolated it, then stuck it back
> into the array, right? And you say the interpolated
> column is identical to the uninterpolated column. You
> tested this how? By subtracting the good column from
> the bad column and getting an array of zeros or
> something like that? Can I see some evidence?
>
> Cheers,
>
> David
>
> --
> David Fanning, Ph.D.

> Fanning Software Consulting, Inc.
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> Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: bad column in image
Posted by David Fanning on Fri, 05 Jun 2009 21:34:22 GMT
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Amanda writes:

> Ah, I hadn't put the interpolated column back in. Sorry, I'm still
> very much a white belt when it comes to this. Your help is much
> appreciated. :-)

Here is another tip. Get ahold of some Sherlock Holmes books
and read them in the evening before bed. It will improve
your IDL programming skills tremendously! :-)

Cheers,

David

--
David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: http://www.dfanning.com/
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