
Subject: Re: Statistics on an image?

Posted by [ben.bighair](#) on Fri, 16 Apr 2010 01:24:36 GMT

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On Apr 15, 5:11 pm, Mark Shephard <mark.w.sheph...@gmail.com> wrote:

> Hi all,

>

> I like the way the IDL SMOOTH function calculates the boxcar mean and

> handles the edges on a 2D image. I would like to just modify the

> SMOOTH function to output additional statistics (standard deviation,

> min/max, etc), but it does not appear to be in the standard IDL

> library.

>

> Does anyone know where I can locate the source code for the IDL SMOOTH

> function, or has anyone already developed a nice 2D statistical

> routine for image processing?

Hi,

Do you mean something like IMAGE_STATISTICS perhaps?

http://idlastro.gsfc.nasa.gov/idl_html_help/IMAGE_STATISTICS.html

Cheers,

Ben

Subject: Re: Statistics on an image?

Posted by [Mark Shephard](#) on Fri, 16 Apr 2010 12:26:27 GMT

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On Apr 15, 9:24 pm, "ben.bighair" <ben.bigh...@gmail.com> wrote:

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> Ben

Hi Ben,

Thanks for the response.

I can definitely embed IMAGE_STATISTICS into some code that steps through the image with a 2-D sliding boxcar that can also deal with the edges of the image. I just noticed that the IDL SMOOTH function already had this sliding boxcar with "edge_truncate" and "NaN" coding, and if the SMOOTH function was available to modify it would save me some reinventing of the wheel.

Thanks,
Mark
