Subject: Re: Statistics on an image?
Posted by Mark Shephard on Fri, 16 Apr 2010 12:26:27 GMT

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

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