Subject: Re: Match Histogram Binsize with Data Type
Posted by David Fanning on Tue, 05 Mar 2013 18:58:34 GMT
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Fabien writes:

> Regardless of the probably wrong things that have been published and
> will be published in the future, I don't see the point of using a .5
> binsize with integer data, and I don't think the behaviour of histogram
> is defined in this case.

Well, the 22.5 represents the 16 directions around a compass where I wish to draw something (360/16=22.5). The number 22 just ain't gonna get it done in this case. :-)

Plus, I didn't *know* the data was integer type. It was a variable that came from somewhere else.

I'm saying, you have to do a hell of a lot of checking to get things right. I know, because I do the checking in cgHistoplot. In fact, I've written code to do the job (Convert_To_Type, for example).

It seems to me Histogram ought to do a little bit of checking on its own if it is going to be so damn obstinate about returning incorrect values, just because you didn't read the small print and know what the rules were.

Histogram is great. It just isn't user friendly. And, for such an important routine in IDL, it ought to be.

Cheers,

David

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Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
Sepore ma de ni thue. ("Perhaps thou speakest truth.")