Subject: change in histogram
Posted by Vap User on Tue, 28 Jul 1998 07:00:00 GMT
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Has there been a change to histogram in IDl 5.1? The documentation says that the array is searched for the min/max values if min=/max= keyword are missing. However, consider the following...

```
IDL> help,histogram( bindgen(100) )
<Expression>    LONG      = Array[256]
```

which suggests it sets max to the top value possible for a byte array.

```
IDL> help,histogram( indgen(100) )
<Expression>    LONG      = Array[100]
```

As desired.

```
IDL> help,histogram( bindgen(100) + 2 )
<Expression>    LONG      = Array[100]
```

Also as desired. But stranger still, since this is effectively the case above.

Am I missing something here?

Also...

Here's another oddity.

```
IDL> help,histogram( lindgen(100),binsize=0.5 )
% HISTOGRAM: Illegal binsize or max/min.
% Execution halted at:  $MAIN$

IDL> help,histogram( lindgen(100),binsize=1.5 )
<Expression>    LONG      = Array[100]

IDL> help,histogram( findgen(100),binsize=0.5 )
<Expression>    LONG      = Array[199]
```

Why can't I specify a binsize of 1/2 with a interger type array? I can specify one of 1.5. And I can specify one of 0.5 for a floating point array having the same values as the integer type array.

I don't recall these restriction in IDl 4.x.

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I don't speak for JPL, it doesn't speak for me.
Well, not all the time, at least.
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