
Subject: histogram produces extra bin in 64-bit IDL 8.0
Posted by [Giuseppe Papa](#) on Fri, 13 May 2011 13:45:11 GMT
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Consider the following code:

```
IDL> D=randomu(32,3200);  
IDL> N=histogram(D,min=0.,max=1.,binsize=0.1,Locations=X)
```

In IDL 32-bit:

```
IDL> print, size(N)  
      1      10      3      10  
IDL> print, X  
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9  
IDL> print, !version  
{ x86 linux unix linux 8.0 Jun 18 2010    32    64}
```

In 64-bit IDL:

```
IDL> print, size(N)  
      1      11      3      11  
IDL> print, X  
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0  
IDL> print, !version  
{ x86_64 linux unix linux 8.0 Jun 18 2010    64    64}
```

As you can see, the 64-bit version produces an extra erroneous bin, contrary to the what is expected from the help pages for histogram.
