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Subject: Re: HISTOGRAM and the Razor's Edge.  
Posted by [James Kuyper](#) on Thu, 12 Jun 2003 13:53:58 GMT  
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Tim Robishaw wrote:

...

- > So, just when I thought it was safe to start using HISTOGRAM with the
- > frequency that Californians use LIKE, I was brought this scary result
- > by the guy on the other side of my wall (his name is Tiberius):
- >
- > IDL> print, histogram([-5.50,-5.45,-5.40,-5.35,-5.30,-5.25],min=-5.50,bin size=0.05)
- >     1       2       0       2       0       1
- >
- > Wait a minute, this should be a uniform distribution!
- >
- > Now, I admit that Tiberius contrived this example with the intent to
- > cause harm to HISTOGRAM by placing the values at the exact boundaries
- > of each bin. But, we didn't EXPECT it to break! Honest. After

If you expect to get a lot of values that are within round-off error of being exactly on the boundary values, then your boundary values have been poorly placed. You should use min=-5.525 for this case.

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