
Subject: Re: problem with IDL statistics
Posted by [hahn](#) on Wed, 28 Jun 2000 07:00:00 GMT
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ectucker@aol.com wrote:

> In my code I have the line:
> result=randomu(seed, binomial=[3.8e7, .72])
> this freezes up the code (acts as if it is in an infinite loop) at the
> statement above.
> If i change the 3.8e7 to 3.9e7, it works fine.

The same here: IDL 5.2, Windows 98. However,

> result=randomn(seed, 256,256,poisson=3.8e7)
> again it freezes up for 3.8e7 but not 3.9e7

This gives an error message:

```
IDL> result=randomn(seed, 256,256,poisson=3.8e7)
% Program caused arithmetic error: Floating underflow
```

> Very strange!

Indeed.

Norbert

Subject: Re: problem with IDL statistics
Posted by [Vince Hradil](#) on Wed, 28 Jun 2000 07:00:00 GMT
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I repeated it on my sparcstation - it works, but yields:

```
IDL> result = randomu(seed, binomial=[3.8e7,.72])
% Program caused arithmetic error: Floating underflow
IDL> print, result
  2.73603e+07
IDL> print, !version
{ sparc sunos unix 5.1 Apr 13 1998}
```

"Vince Hradil" <hradilv@yahoo.com> wrote in message
news:8jd7ho\$m4g\$1@fizban.fizban.pprd.abbott.com...

> I just got the same results - but don't know why.
>
> IDL> print, !version
> { x86 Win32 Windows 5.3 Nov 11 1999}

>
> <ectucker@aol.com> wrote in message news:8jbauq\$3og\$1@nnrp1.deja.com...
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>> It seems that certain ranges of values work and others don't.
>> It doesn't matter if I use integers, long integers, double
>> precision,etc.
>> I get the exact same problem when I use other similar statements, such
>> as:
>> result=randomn(seed, 256,256,poisson=3.8e7)
>> again it freezes up for 3.8e7 but not 3.9e7
>> Very strange!
>> Any comments?
>> Thanks,
>> Eric
>>
>>
>> Sent via Deja.com <http://www.deja.com/>
>> Before you buy.
>
>

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Posted by [Vince Hradil](#) on Wed, 28 Jun 2000 07:00:00 GMT
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IDL> print, !version  
{ x86 Win32 Windows 5.3 Nov 11 1999}
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