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...
- >> 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.
- >> 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.

>

>

## Subject: Re: problem with IDL statistics Posted by Vince Hradil on Wed, 28 Jun 2000 07:00:00 GMT View Forum Message <> Reply to Message

I just got the same results - but don't know why.

```
IDL> print, !version { x86 Win32 Windows 5.3 Nov 11 1999}
```

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- > Eric

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