
Subject: Re: Random number generation

Posted by [Craig Markwardt](#) on Thu, 04 Feb 2016 00:38:00 GMT

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On Wednesday, February 3, 2016 at 11:51:13 AM UTC-5, dave poreh wrote:

```
> Folks,  
> Hi,  
> I am working on some simulation problems, that I need to generate random numbers. When I  
use>  
> print, mean(randomu(seed, 100000))  
> 0.498516  
> print, mean(randomn(seed, 100000))  
> 0.00100909  
> 1-the randomn is much better than randomu. why is that?  
> 2-I am expecting very small number for mean of this random numbers, but as you see they are  
quite big (i am expecting in order of 10e-7).  
> Is there any other way that i can use?  
> Thanks for anykind of helps...  
> Cheers,  
> Dave
```

What kind of random numbers do you need? There are many kinds of random number distributions.

Alx is right, the average of a random sample will have some variance from the true average. They would not be random otherwise!
