
Subject: Re: RANDOMN function

Posted by on Thu, 14 Nov 2013 15:38:47 GMT

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Den torsdagen den 14:e november 2013 kl. 16:15:54 UTC+1 skrev fd_...@mail.com:

>> You will get better statistics the larger the set:

>

>> IDL> for e=1,9 do print,e,10d^e,mean(randomn(seed,10d^e))

>

>> 1 10.000000 0.0489258

>> 2 100.00000 0.0172675

>> 3 1000.0000 -0.0336368

>> 4 10000.000 -0.00799687

>> 5 100000.00 0.00208867

>> 6 1000000.0 -0.00101986

>> 7 10000000. -0.000105310

>> 8 1.0000000e+08 0.000104068

>> 9 1.0000000e+09 2.46072e-05

>

> Well, I don't see what you mean to be honest.

Just that a larger set is more likely to reproduce the statistics of the distribution that was used to generate it. How many times do you have to roll a dice to get 1/6 of each number to some specified accuracy?
