

random numbers and statistics

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Hello group,

I'm doing soem simulations using random numbers, and i wanted to do statistics on the results of nuemrical calculations that were done using random number inputs.

It's basically perturbation analysis with random and finite perturbations to the input parameters. then i'm looking at the fluctuations of values of a given output due the perturbations.

Naturally, since the numbers are not really random, but pseudorandom, I'm wondering if the pseudo random generator will show false correlations if i look at thing like the mean, variance and standard deviations of the output.

Am I right in worrying about this? or anyone has some insights they are graciously willing to provide?

Thanks all in advance

sean