

About random number generator

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This is a program that creates random numbers and looks at the variance and standard deviation of the numbers.



Figure 1: This is a man who's playing league of legends.

COMMAND LINE STUFF

import random "- We need to put this code before we want to generates random numbers.

" for i in range(20): a=a+[random.randint(0,100)] "- This cole means it is the way to generate 20 randoms numbers into the array,and type the number of the array, for example,(0.100) means the array between (0.0) to (100.0) .

" for i in range(len(a)): s=s+a[i] avg=s/len(a) "- This is the code to find the mean of the numbers.

" for i in range(len(a)): s1=s1+(a[i]-avg)**2 var=s1/len(a) "- This code is to finds the variance of the random numbers.

" stddev=var**(0.5) "- This is the code to see the standard deviation.
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PYTHON CODE

```
import random
a=[]
for i in range(20):
    a=a+[random.randint(0.0,100.0)]

print a
s=0.0

for i in range(len(a)):
    s=s+a[i]

avg=s/len(a)
```

```
print avg

s1=0.0

for i in range(len(a)):
    s1=s1+(a[i]-avg)**2

var=s1/len(a)

print var

stddev=var**(0.5)

print stddev
```

the number is composite

for example of indicates the output of the program.