

Distribution function and random

Course > Week 2 > number

> Problem (3-4)

Problem (3-4)

Problem 3

0.0/1.0 point (graded)

Which of the following codes (C1, C2, C3, C4) correctly draws 10,000 random numbers from a normal distribution with mean $\langle X \rangle = 2$ and variance $\langle X^2 \rangle - \langle X \rangle^2 = 4$?

```
# C1
import numpy as np
ave = 2.0
std = np.sqrt(4.0)
N = 10000
np.random.seed(1000)
X = np.random.normal(ave,std,N)
```

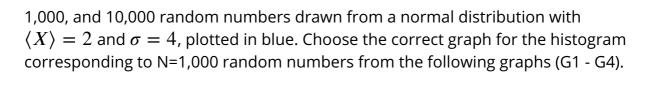
```
# C2
import numpy as np
ave = 2.0
std = 4.0
N = 10000
np.random.seed(0)
X = np.random.normal(ave,std,N)
```

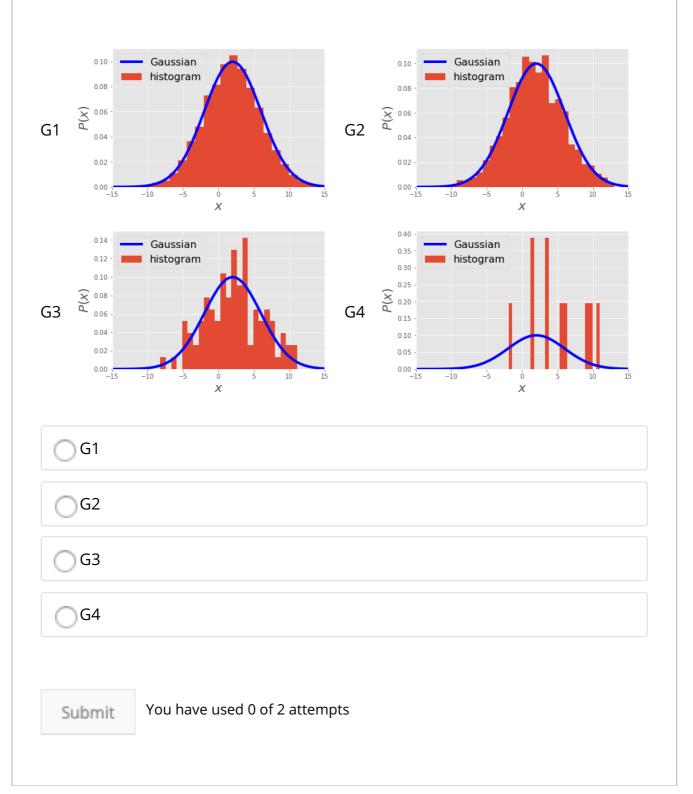
```
# C3
import numpy as np
ave = 2.0
std = 4.0**2
N = 10000
np.random.seed(0)
X = np.random.normal(ave,std,N)
```

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import num	by as np
ave = 2.0 std = 4.0	
N = 10**4	
np.random.s	
x = ave+sto	d*np.random.randn(N)
C1 only	
C2 only	
C3 only	
C4 only	
C1 and	C3 only
C2 and	C4 only
C2 and	C3 only
C2, C3,	and C4 only
C1, C2,	and C4 only
C1, C2,	C3, and C4
Submit	You have used 0 of 2 attempts
roblem	4

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