PROBLEM 1-1 (1/1 point)

For each of the following questions, answer True or False:

A good hash function should generate a Gaussian distribution.

○ True

◉ False ✔

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PROBLEM 1-2 (1/1 point)

A deterministic program always returns the same result for the same input.

◉ True ✔

○ False

You have used 1 of 1 submissions

PROBLEM 1-3 (1/1 point)

The coefficient of variation is better than the standard deviation for comparing the variation in the number of residents of different cities or towns to the variation in the number of residents in different countries.

◉ True ✔

○ False

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PROBLEM 1-4 (1/1 point)

Monte Carlo simulations can only be used to solve stochastic problems.

○ True

◉ False ✔

You have used 1 of 1 submissions

PROBLEM 1-5 (1/1 point)

Uniform distributions are usually the most useful for modeling complex systems.

○ True

◉ False ✔

PROBLEM 1-6 (1 point possible)

Consider the following code:

```
import random
for i in range(1000):
    randomList1.append(int(random.random() * 2))

for i in range(1000):
    randomList2.append(random.choice((0,1)))
```

In Python, `randomList1` and `randomList2` will have the same distribution pattern.

- ○ True
- ◉ False ✖

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