

Congratulations! You passed!  
Grade received 87.50%  
To pass 80% or higher  
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1. Which Python function can be used to simulate random sampling?

1 / 1 point

- ☐ `pandas.DataFrame.mean()`
- ☒ `pandas.DataFrame.sample()`
- ☐ `pandas.DataFrame.hist()`
- ☐ `pandas.DataFrame.describe()`

☒ Correct  
The `sample()` function can be used to simulate random sampling.

2. Which of the following statements describe a random seed when specifying `random_state` in `pandas.DataFrame.sample()`? Select all that apply.

0.75 / 1 point

☒ Any number can be chosen to fix the random seed.

☒ Correct  
A random seed is a starting point for generating random numbers. Any number can be chosen to fix the random seed, and the same random seed can be used over again to generate the same set of numbers.

☒ A random seed is a starting point for generating random numbers.

☒ Correct  
A random seed is a starting point for generating random numbers. Any number can be chosen to fix the random seed, and the same random seed can be used over again to generate the same set of numbers.

☒ The same random seed may be used over again to generate the same set of numbers.

☒ Correct  
A random seed is a starting point for generating random numbers. Any number can be chosen to fix the random seed, and the same random seed can be used over again to generate the same set of numbers.

☒ Only a negative number may be chosen to fix the random seed.

☐ This should not be selected  
A random seed is a starting point for generating random numbers. Any number can be chosen to fix the random seed, and the same random seed can be used over again to generate the same set of numbers.