Congratulations! You passed!

Grade received 100% **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.sample()`
- ( ) `pandas.DataFrame.hist()`
- ( ) `pandas.DataFrame.mean()`
- ( ) `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. 1 / 1 point

- [x] 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.

- [x] Any non-negative integer 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.

- [ ] Only a negative number may be chosen to fix the random seed.
- [x] 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.