

EdX and its Members use cookies and other tracking technologies for performance, analytics, and marketing purposes. By using this website, you accept this use. Learn more about these technologies in the [Privacy Policy](#).



[Course](#) > [Week 2...](#) > [Part 4:...](#) > [CC 2.4...](#)

Audit Access Expires Jul 20, 2020

You lose all access to this course, including your progress, on Jul 20, 2020.

Upgrade by May 18, 2020 to get unlimited access to the course as long as it exists on the site. [Upgrade now](#)

CC 2.4.2: Examples Using Randomness

Examples Using Randomness: Question 1

1/1 point (graded)

What will `random.choice(list((1, 2, 3, 4)))` do?

☐ Sample the tuple `(1, 2, 3, 4)`.

☐ Sample the list `[1, 2, 3, 4]`.

☐ Sample from the tuple `(1, 2, 3, 4)`.

☒ Sample from the list `[1, 2, 3, 4]`.

☐ This code contains an error.



Submit

You have used 1 of 2 attempts



✓ Correct (1/1 point)

Examples Using Randomness: Question 2

1/1 point (graded)

What is the law of large numbers with respect to histograms?

- ☒ We expect the histogram of a sample to better reflect the distribution as the sample size increases.
- ☐ We expect the histogram of a sample to become more smooth as the sample size increases.
- ☐ We expect the histogram of a sample to become more flat as the sample size increases.
- ☐ All numbers in the histogram are very large, by law.



Submit

You have used 2 of 2 attempts

✓ Correct (1/1 point)

Examples Using Randomness: Question 3

1/1 point (graded)

What is the Central Limit Theorem?

- ☐ The distribution of many random variables is approximately normal.
- ☐ The distribution of many numbers is approximately normal.
- ☒ The distribution of the sum of many random variables is approximately normal.
- ☐ The distribution of the sum of many numbers is approximately normal.



[Submit](#)

You have used 1 of 2 attempts

✓ Correct (1/1 point)

[Learn About Verified Certificates](#)

© All Rights Reserved

