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The Geometric Distribution - Quiz

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Question 1

1/1 point (graded)

True or false: The geometric distribution is a special case of the negative binomial distribution where the number of successes is equal to one.

☒ a. True ✓

☐ b. False

Explanation

This is true. The geometric distribution can be thought of as the number of failures before the first success, similar to a negative binomial distribution where instead of asking the question “how many trials to achieve 100 successes” (for example), we ask, “how many trials to achieve just one success?” In other words, this is a negative binomial where $r=1$.


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Human Subjects and Special Distributions

[Finger Exercises due Nov 07, 2016 at 05:00 IST](#) 

The Sample Mean, Central Limit Theorem, and Estimation

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✓ Correct (1/1 point)

Discussion

Topic: Module 6 / The Geometric Distribution - Quiz

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