Day 2: Compound Event Probability ☆

20/27 challenges solved

Points: 20

10 Days of Statistics

Problem Submissions Editorial

Objective
In this challenge, we practice calculating the probability of a compound event. We recommend you review today's Probability Tutorial before attempting this challenge.

Task
There are 3 urns labeled X, Y, and Z.

- Urn X contains 4 red balls and 3 black balls.
- Urn Y contains 5 red balls and 4 black balls.
- Urn Z contains 4 red balls and 4 black balls.

One ball is drawn from each of the 3 urns. What is the probability that, of the 3 balls drawn, 2 are red and 1 is black?

- ○ 10 / 63
- ○ 2 / 7
- ● 17 / 42 ✓
- ○ 31 / 126

You have **2** attempts left.