

Day 2: Compound Event Probability

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?