

Day 3: Drawing Marbles

Objective

In this challenge, we're reinforcing what we've learned today. In case you've missed them, today's tutorials are on [Conditional Probability](#) and [Combinations and Permutations](#).

Task

A bag contains **3** red marbles and **4** blue marbles. Then, **2** marbles are drawn from the bag, at random, without replacement. If the *first* marble drawn is red, what is the probability that the *second* marble is blue?