

Lesson 4: Estimating Probabilities Through Repeated Experiments

Cool Down: Fiction or Non-fiction?

A librarian is curious about the habits of the library's patrons. He records the type of item that the first 10 patrons check out from the library.

patron	item type
1	fiction book
2	non-fiction book
3	fiction book
4	fiction book
5	audiobook
6	non-fiction book
7	DVD
8	non-fiction book
9	fiction book
10	DVD

Based on the information from these patrons . . .

1. Estimate the probability that the next patron will check out a fiction book. Explain your reasoning.

2. Estimate the number of DVDs that will be checked out for every 100 patrons. Explain your reasoning.