

## Lecture 6

# Review and Probability Practice

This (optional) lecture will be a review of material so far and practice with probabilistic reasoning. We will look at questions such as the expected number of times you need to flip a coin of bias  $p$  until it comes up heads, and the *coupon collector's problem*, which asks what is the expected number of times you need to roll a fair  $n$ -sided die until you've seen all the sides at least once.