Notes on the book Statistical Rethinking

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Chapter 1: The Golem of Prague

Chapter 2: Small Worlds and Large Worlds

Useful Example. Suppose there is a bag containing marbles. We *know* there are four marbles in the bag and that each marble may be either red or blue. We get some data in the form of ● ● ● We can think of the likelihood as way to count all of the possible ways of producing this sample **given** a conjecture of what the bag looks like (i.e., a paramter for our model):

Conjecture	Ways of producing sample
● ● ● ●	$4 \times 0 \times 4 = 0$

Potential paths to a sample of size 3