Larsen and Marx 2.7: Combinatorial Probability

These notes reflect material from our text, *Introduction to Mathematical Statistics and Its Applications, Fifth Edition*, by Richard J. Larsen and Morris L. Marx, Pearson, ISBN 978-0-321-69394-5, 2012.

Calculating probabilities in a combinatorial setting

Let S be a finite sample space consisting of equally likely outcomes, and let A be an event in S. Then

$$P(A) = \frac{|A|}{|S|}$$

Exercises from Larsen and Marx, Section 2.7: 1, 4, 5

To hand in for homework:

Homework exercises from Larsen and Marx, Section 2.7: 1, 4, 5