Third Lab Assignment (Due by 3pm on Nov. 4)

Lab assignments

Assignment 1   In Matlab simulate the experiment of drawing 6 white and 10 red balls from a box **without replacement**. The probabilities od drawing white ball first and red ball first are $P(w_1) = \frac{6}{16}$ and $P(r_1) = \frac{10}{16}$, respectively.

Experimentally show that $P(w_1) = P(w_{10})$ or $P(r_1) = P(r_{10})$.

In order to do this do $100,000$ experiments where you keep drawing balls from the box until there are no balls in the box left.

Submit your Matlab code, where you finally print probabilities for $P(w_{10})$ and $P(r_{10})$.