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Monte Carlo Three Doors Results

Based on the results of this Monte Carlo experiment, it’s clear to see that changing doors yield much favorable odds for the player. Unfortunately, with only 1 play, changing doors did not result in a win, so in this specific example the point [1,0] on the changing doors graph is considered an outlier. The Expected win % value for any one play should be around 0.75 or a 75% win percentage when changing doors. When keeping the same door, the Expected win percentage is around 0.3667 or a 36.67% win percentage.