Simulation of the Monty Hall Problem

Abstract

The Monty Hall problem is a conditional probability example in which one of three doors has a valuable prize and other two doors conceive worthless “goats.” The game features are a rational decision between stay or switch given the constraints of the game. This paper presents simulation results for the original Monty Hall and a variant of two-player Monty Hall problem. The simulation results, based on the analysis of successful frequencies of either option, are useful in clarifying the counter-intuitive nature of the problem.

References


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Index Terms

Computer Science Algorithms

Keywords

Monty Hall problem, Simulation, Conditional Probability.