

Analysis of a Coin-Flip Game Simulation

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October 14, 2025

1 Introduction

This document analyzes the results of a Monte Carlo simulation of a simple coin-flipping game. The simulation visualizes the potential outcomes and profit distributions of the game. The generated plot is included and centered in the following section.

2 Simulation Results

The figure below illustrates the outcomes of the simulation. The top plot shows the cumulative profit over a series of flips, while the bottom plot shows a histogram of the final profits from all simulations.

3 Conclusion

As demonstrated in Figure 1, the simulation provides valuable insights into the risk and reward of the game. This visualization is key to understanding the range of possible outcomes.

1|HeadsWin :

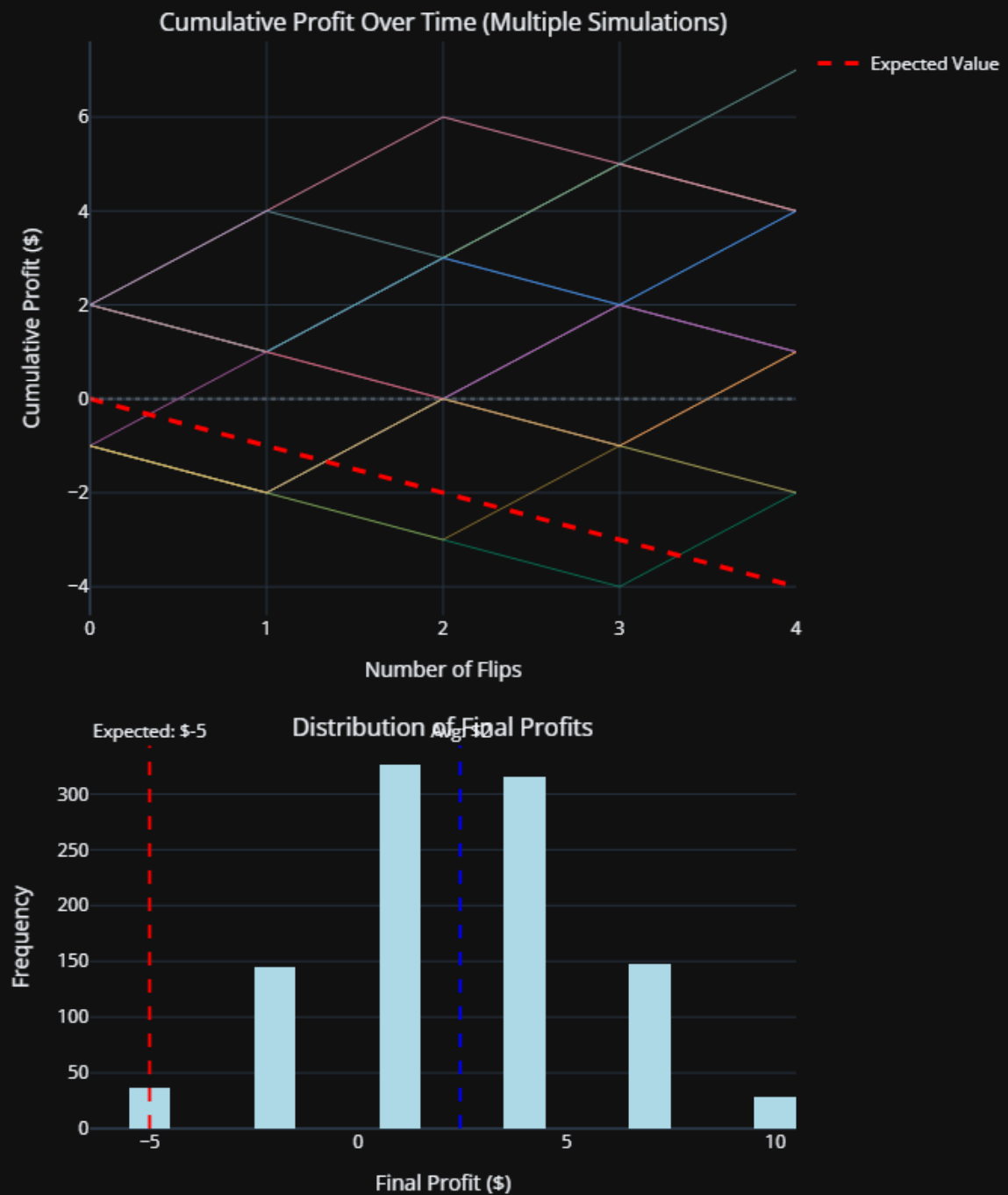


Figure 1: A Monte Carlo simulation of a coin-flip game, displaying both the cumulative profit paths and the final profit distribution.