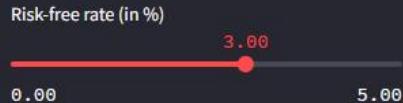
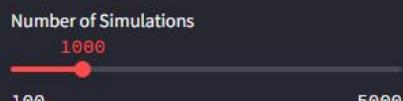
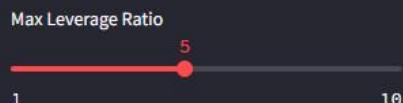


Optimal Leverage Ratio for S&P 500 ETF Returns



User Inputs

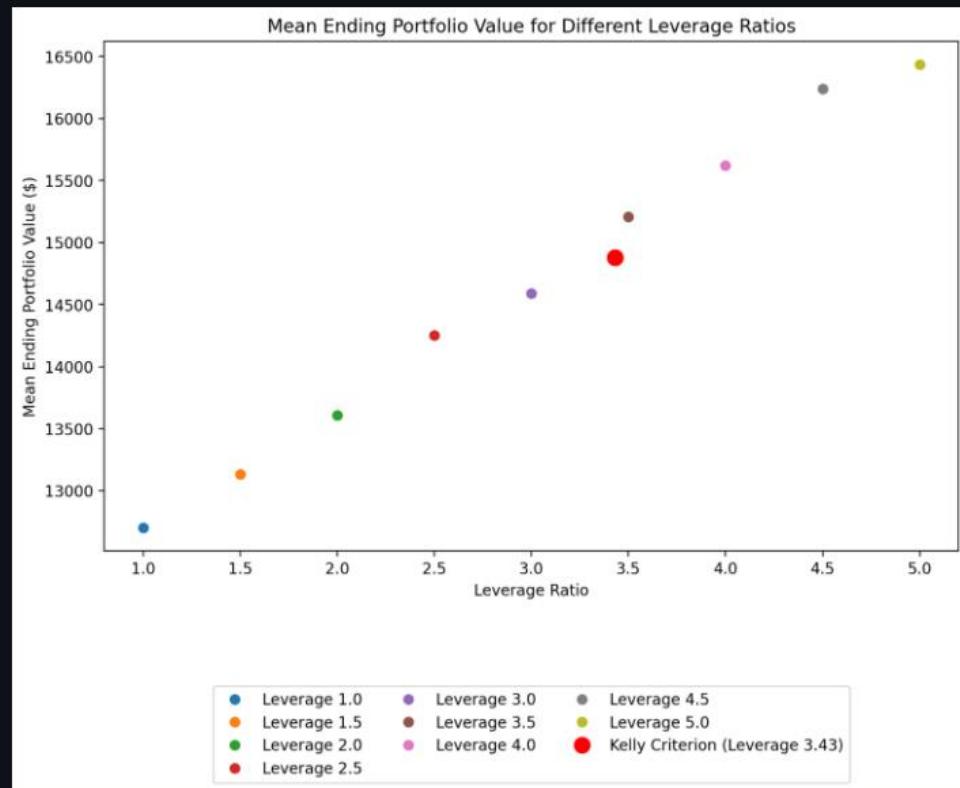
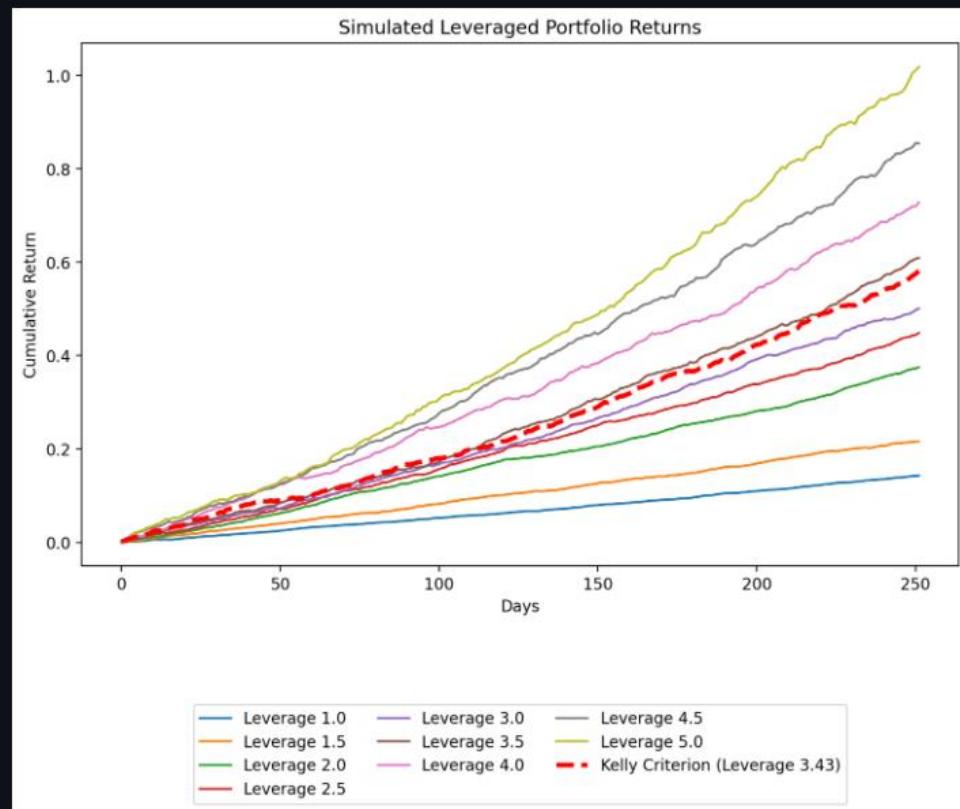


Annualized Expected Return (μ): 13.65%

Annualized Variance (σ^2): 0.0311

Kelly Criterion Optimal Leverage Ratio: 3.43

Simulation Results





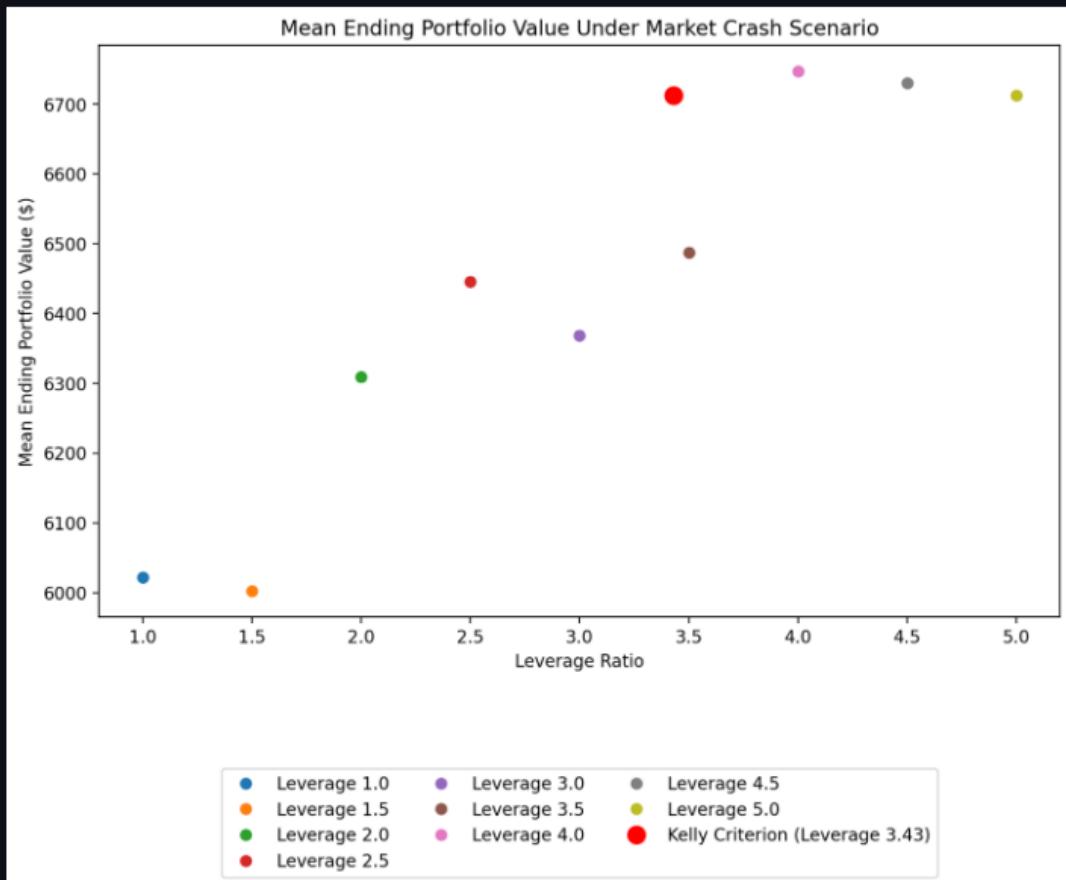
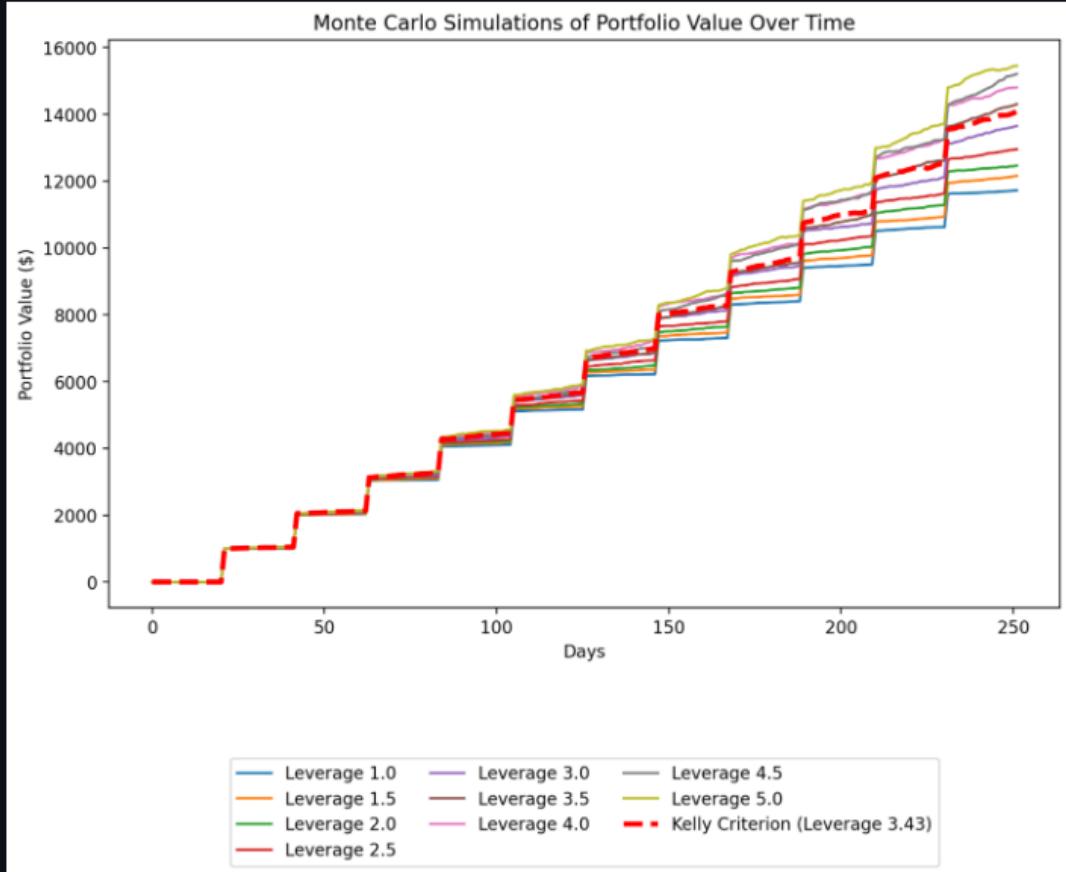
Risk-free rate (in %)

User Inputs

Max Leverage Ratio

Number of Simulations

Simulation Horizon (days)





Stress Test: Portfolio Value Over Time During Market Crash

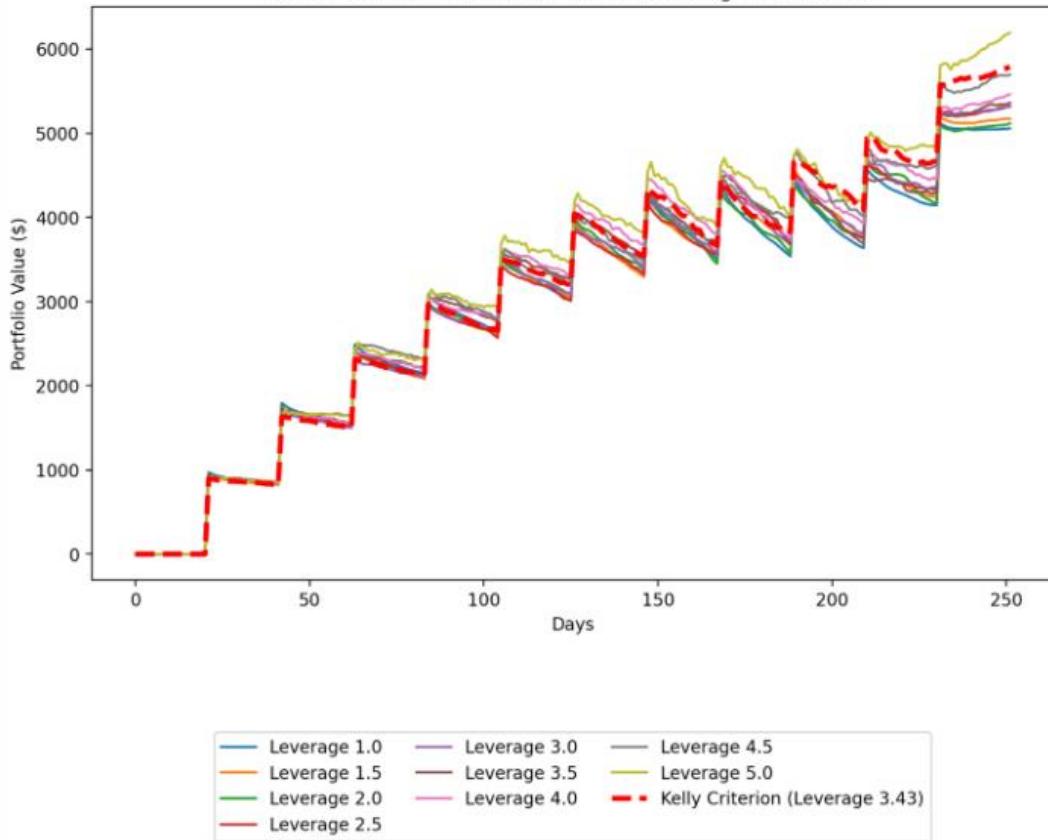
User Inputs

Risk-free rate (in %) 3.00

Max Leverage Ratio 5

Number of Simulations 1000

Simulation Horizon (days) 252



Backtest of Portfolio Value Over Time with Monthly Investments

