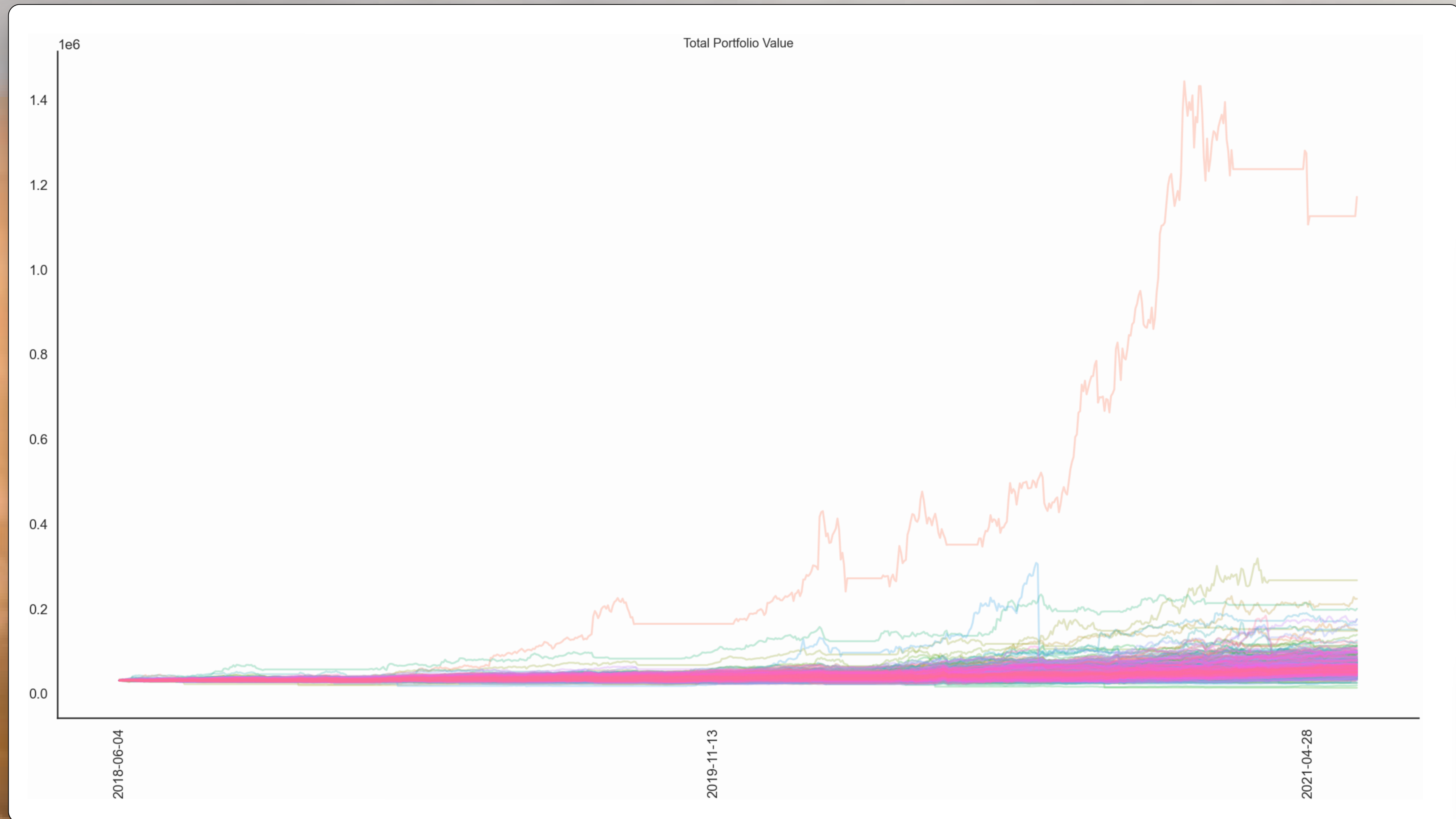


To the moon: Predicting the stock market

Could systematic models be created to define clear purchasing and selling points for stocks amongst the top publicly traded companies?

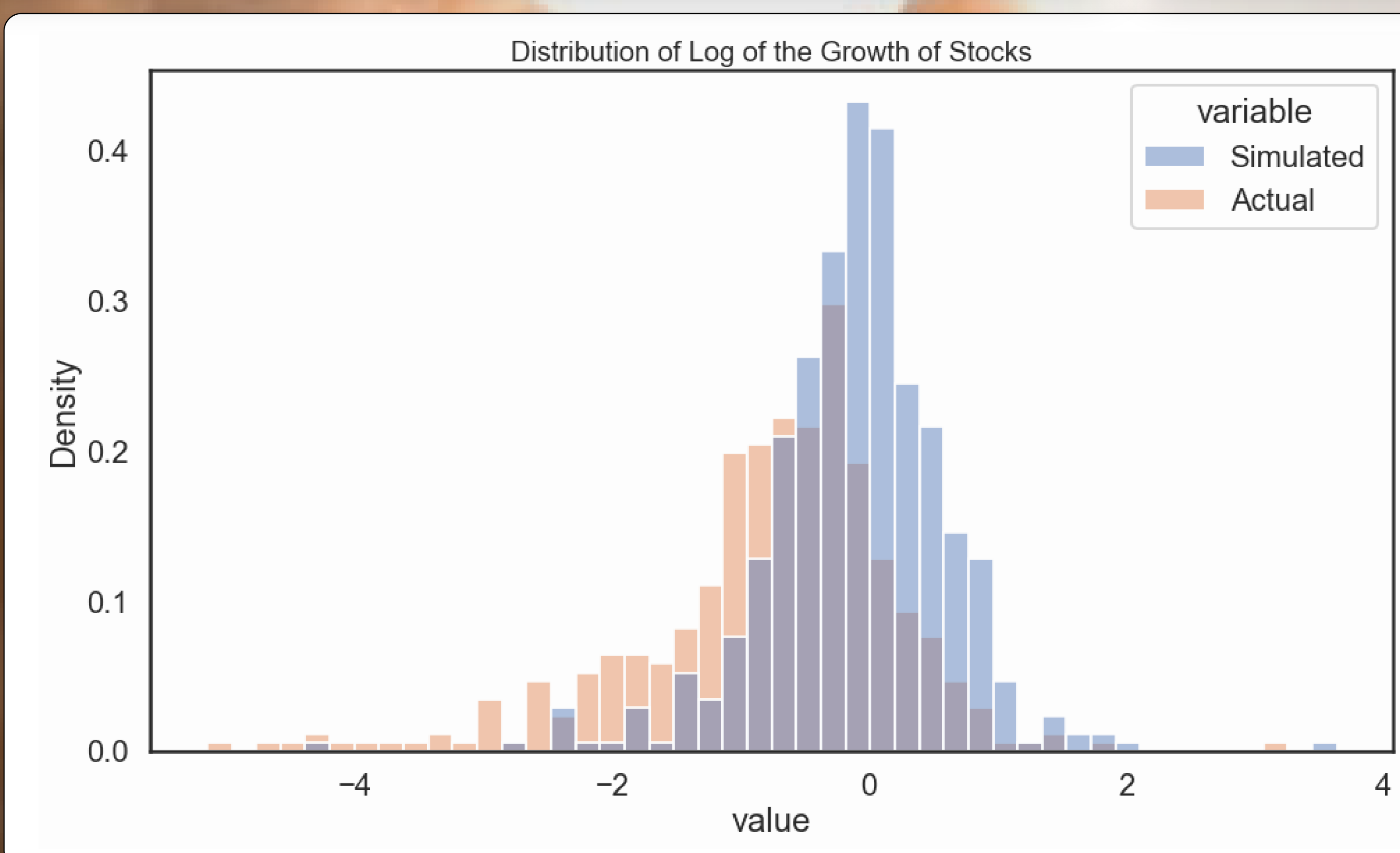
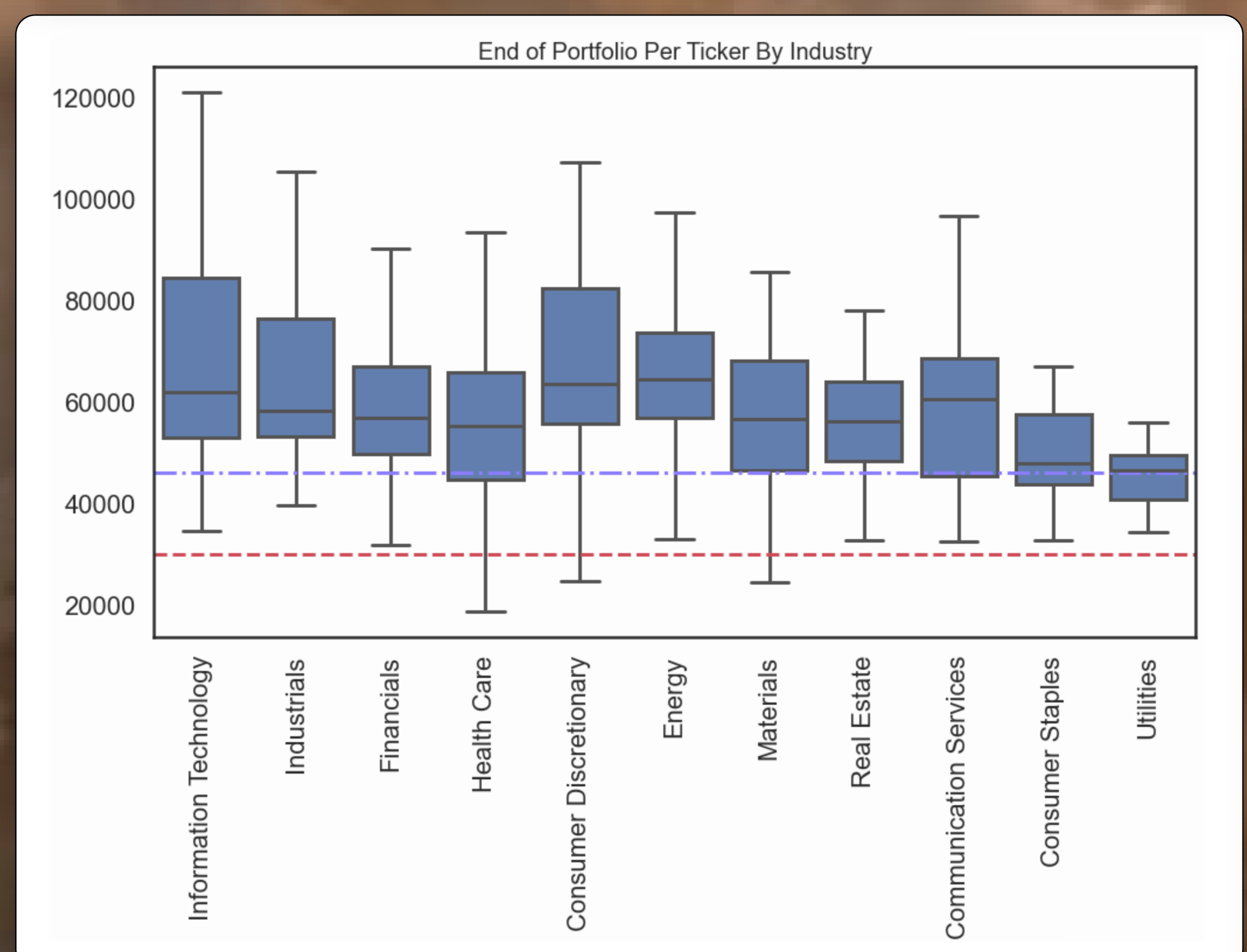
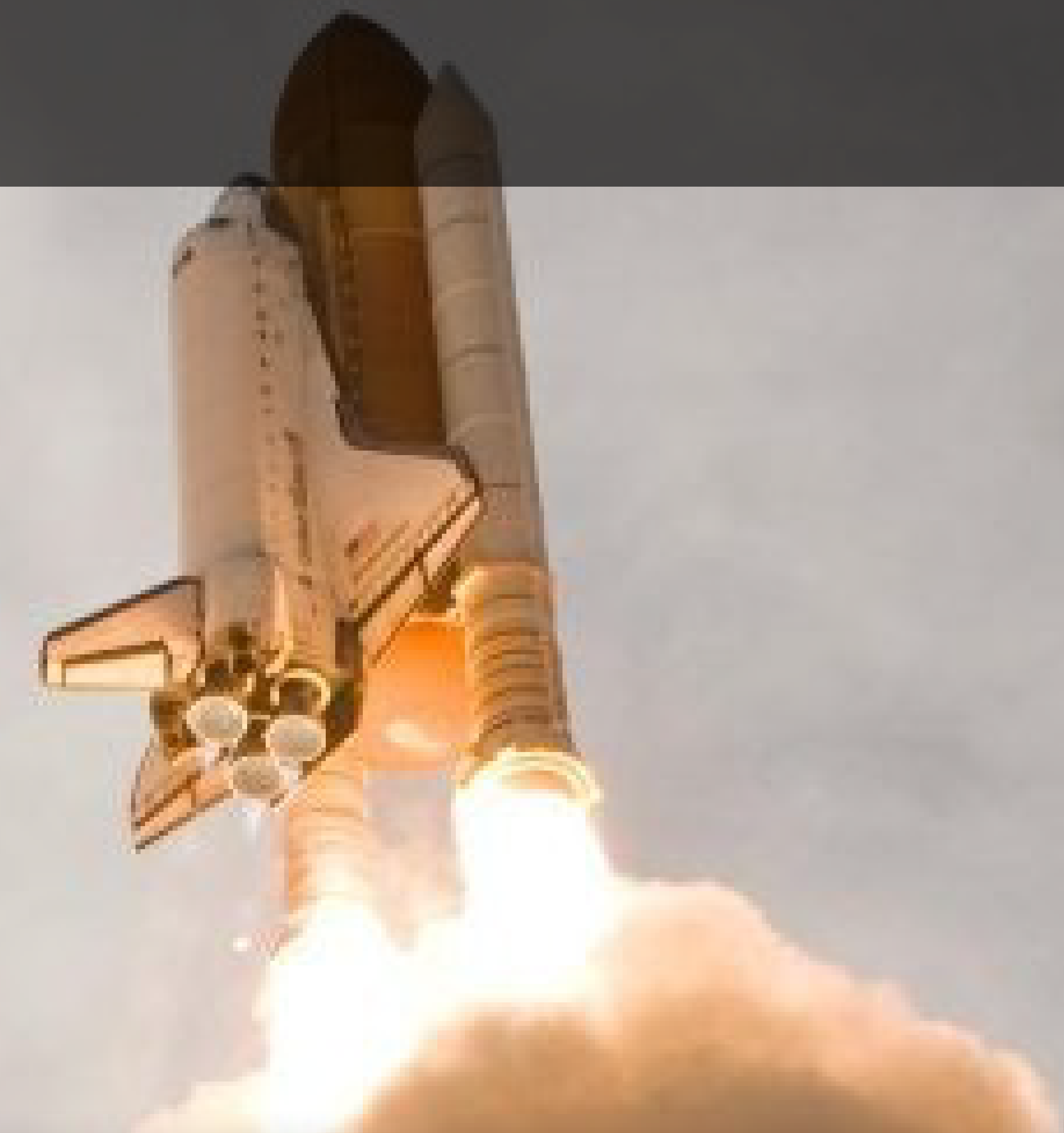


Return on Investment
116.57% +48.68%
 vs Actual

Max Growth
3,801% +62.56%
 vs Actual

ROI Positive Stocks
98.79% +22.33%
 vs Actual

Standard Deviation
184.73% +67.14%
 vs Actual



The original portfolio distribution is skewed to the right. However, a log transformation enables the normalization of the distribution. A T-Test resulted in a p-value of 2.1512×10^{-32} for the log-normalized distribution.

The Best of Bad Situations

For the majority of the scenarios depicted above, the model's decision points allowed there to be growth in the portfolio for that stock, rather than a loss during the time period. Instead of losing money, you can make money!