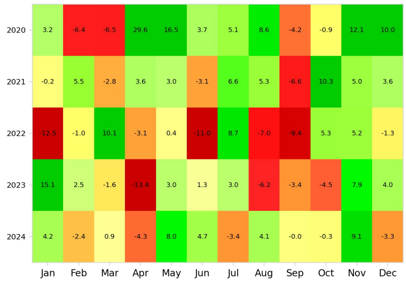
Strategy Description

NASDAQ-Correlated Mean Reversion Strategy with Smart Reallocation Overview This algorithm implements a mean reversion trading strategy focused on stocks highly correlated with the NASDAQ-100 index (QQQ). It dynamically identifies short-term pricing anomalies using mean absolute error (MAE) relative to QQQ and adjusts positions based on statistically significant deviations. Every month, the algorithm selects the top 10 stocks with the highest correlation to QQQ over a rolling 252-day window. During the month, it continuously monitors those stocks for deviations using a scaled error metric, triggering trades when prices deviate sharply from QQQ behaviour. Hypothesis Markets tend to correct short-term overreactions. Stocks with strong historical correlation to the NASDAQ are likely to revert to trend after sharp deviations. By detecting

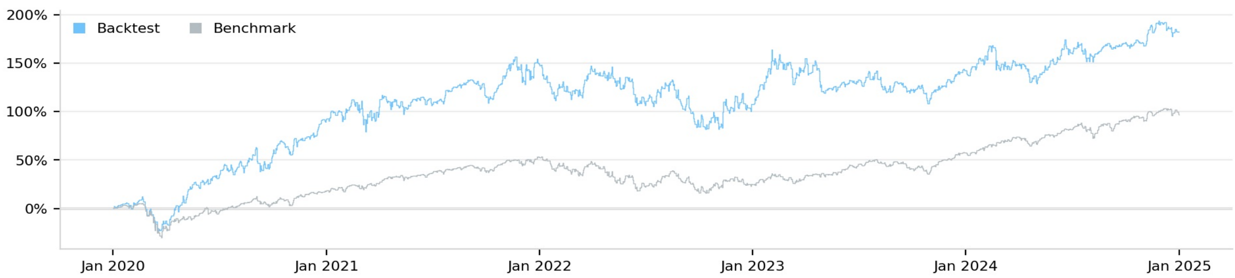
Key Statistics

Runtime Days	1826	Drawdown	32.0%
Turnover	21%	Probabilistic SR	21%
CAGR	23.0%	Sharpe Ratio	0.7
Capacity (USD)	32K	Sortino Ratio	0.7
Trades per Day	5.1	Information Ratio	0.5
Drawdown Recovery	437		

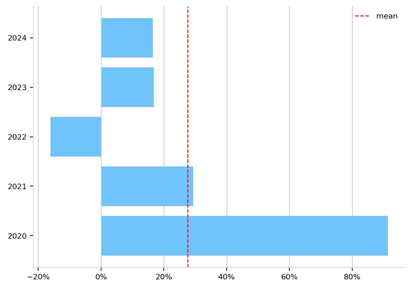
Monthly Returns



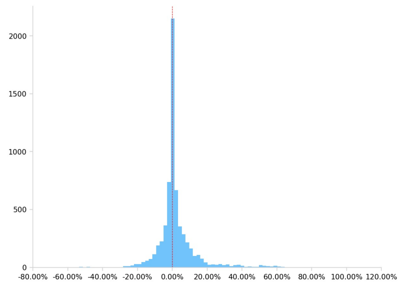
Cumulative Returns



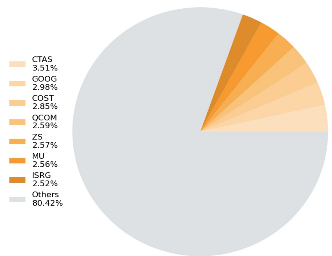
Annual Returns



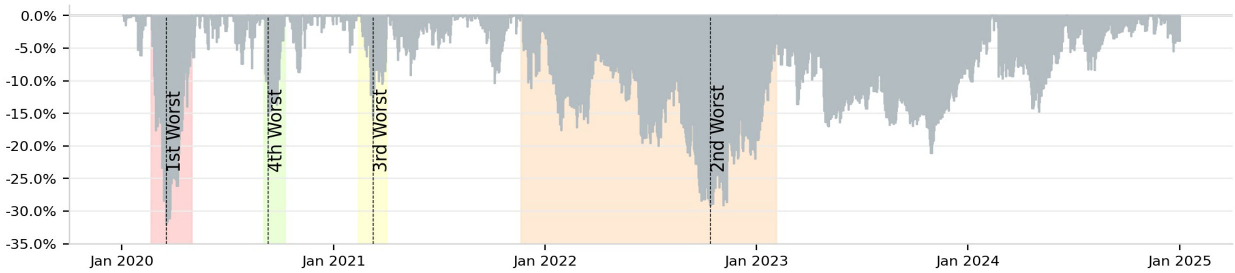
Returns Per Trade



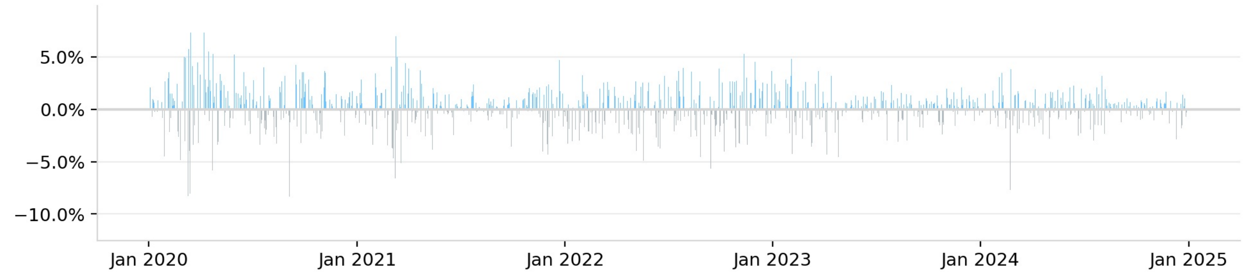
Asset Allocation



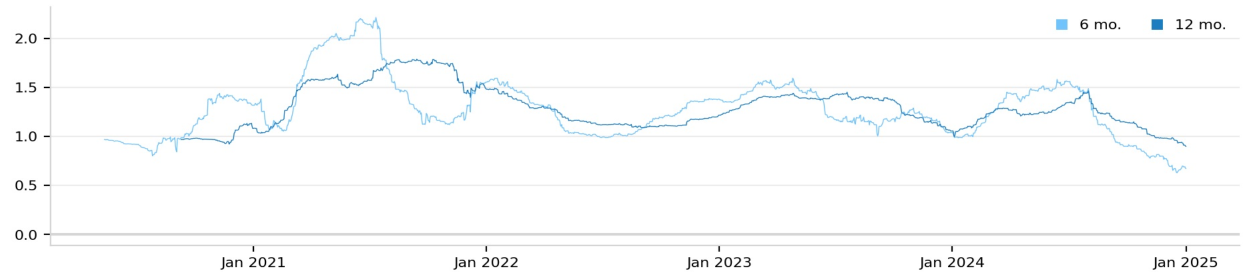
Drawdown



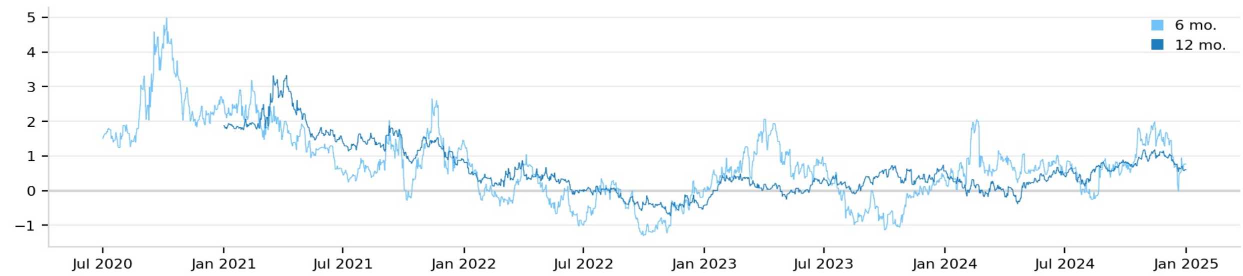
Daily Returns



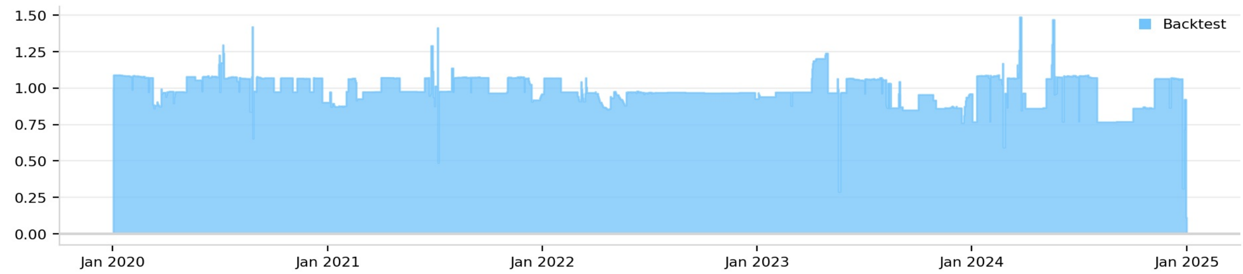
Rolling Portfolio Beta



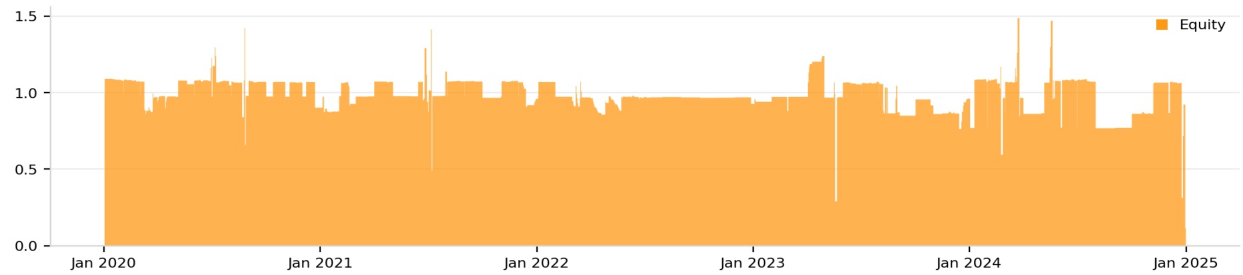
Rolling Sharpe Ratio



Leverage

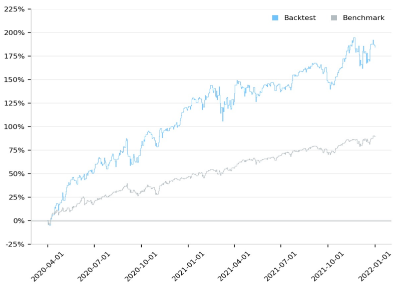


Long-Short Exposure

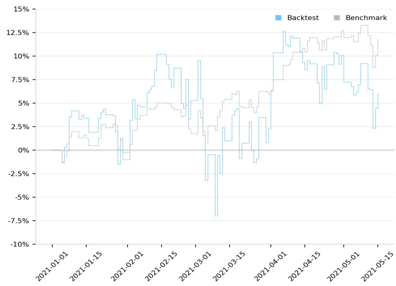


COVID-19 Pandemic 2020

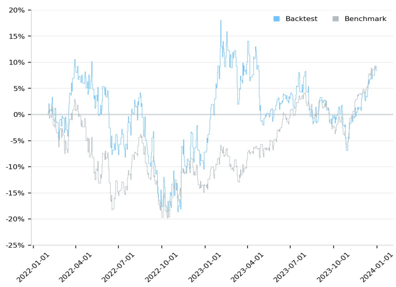
Post-COVID Run-up 2020-2021



Meme Season 2021



Russia Invades Ukraine 2022-2023



AI Boom 2022-Present