Robuxio Crypto Trading Solution

We apply an all-weather approach to trade crypto with robust, uncorrelated strategies.

Trading time frame: Daily data

Reason for using the daily data:
1. The most robust solution
2. High average trade
3. Trading costs are less than 3-8% of the average trade
4. Edge erosion is slow in robust strategies, the portfolio can be gradually adjusted

Strategies: 15 strategies

Types of trading strategies: Trend strategies, breakout strategies, mean reversion strategies

Sides of the market: Long and short

Average holding time: Few hours to several weeks

Main purpose of the trading portfolio: Extracting profits from the crypto market with the maximum possible level of diversification and maintaining a reasonable level of stability of returns.

The process of developing trading strategies: Idea first with a focus on simplicity and robustness. All strategies are derived from strategies traded on traditional assets. All strategies have stable results across a wide range of trading parameters.

Trading software: A proprietary solution running on cloud computing. Everything is based on maximizing robustness and reliability. The software enters up to higher tens of market, stop and limit orders on daily close. It also compares the accuracy of orders and trades on the exchange against an internal benchmark. The entire solution is supported by numerous healthy checks and is monitored 24/7.

For more information, you can make an appointment with our CTO, Mr. Xavier F. Vargas.

Trading portfolios

Standard portfolios: High Risk Portfolio, Medium Risk Portfolio, Low Risk Portfolio

Main difference between portfolios: Weight of a single strategy in a portfolio - the riskier the portfolio the higher the weight of the strategy. The riskier the portfolio the higher the volatility.

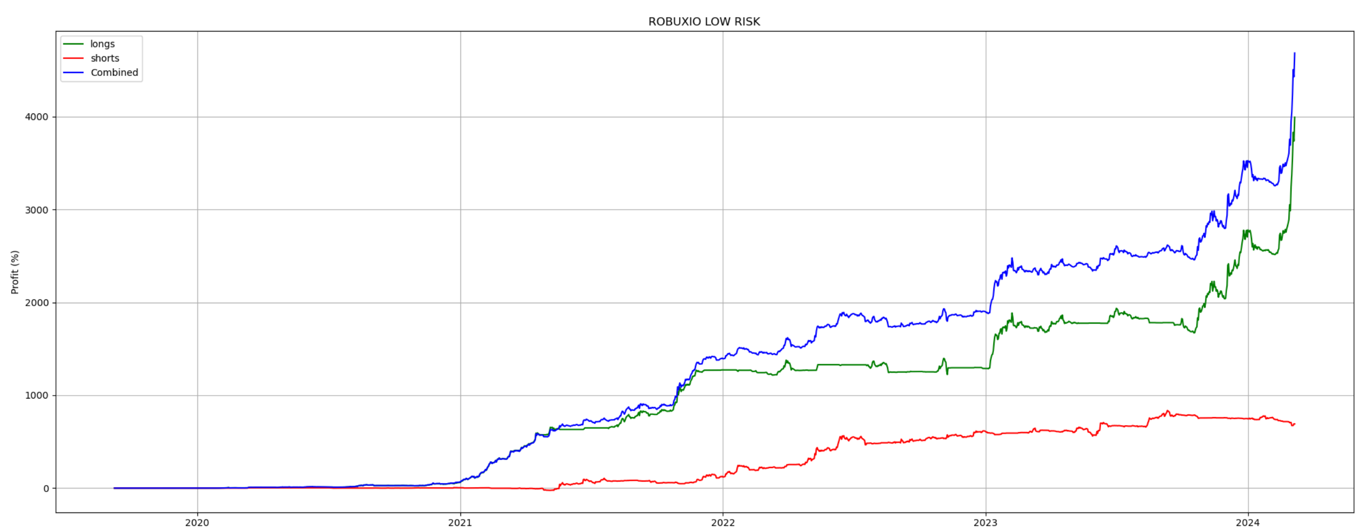
All standard portfolios are constructed to have the potential to deliver stable returns through various market phases. This is achieved through a combination of trend-type strategies that profit from strong crypto trends, and mean reversion strategies that profit from crypto inefficiencies. In particular, strong market overreactions.

Low risk portfolio

A portfolio designed with the main objective of achieving the level of portfolio-level volatility associated with traditional assets, while capturing attractive profits from the potential of the cryptocurrency market.

The low exposure is particularly visible in the low average capital usage. The maximum capital usage has historically not exceeded 76%.

NetProfit	ROR	MaxDD	ExpectedDD	Trades	PctWins	AvgWin	AvgLoss	Expectancy	ProfitFactor	Sharpe	AvgUse
4684%	142.35%	-8.04%	-20%	10 406	51.87%	12.29%	6.26%	3.36%	1.85	3.03	21.6%

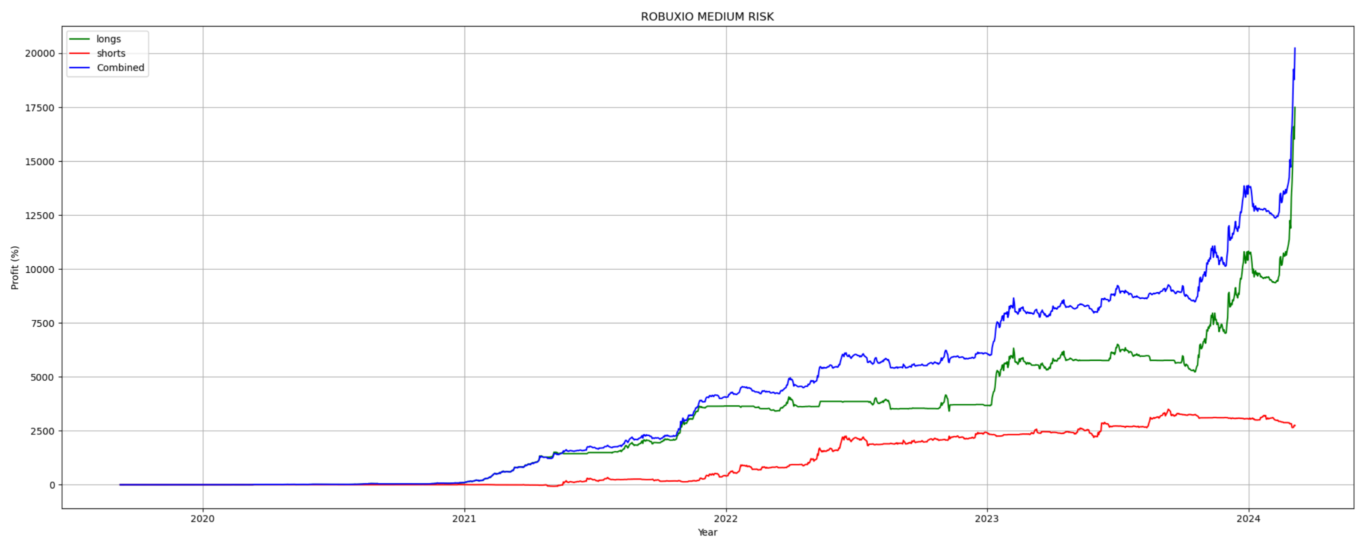


Medium risk portfolio

This portfolio is designed for 100% capital usage. Its volatility is slightly higher than that of the Low Risk Portfolio, but it holds a more substantial profit potential due to the compounding effect.

The average capital usage is 31%. The historical maximum capital usage is 106%.

NetProfit	ROR	MaxDD	ExpectedDD	Trades	PctWins	AvgWin	AvgLoss	Expectancy	ProfitFactor	Sharpe	AvgUse
20 238%	237.5%%	-11.42%	-30%	10 406	51.87%	12.29%	6.26%	3.36%	1.82	3.01	30.9%

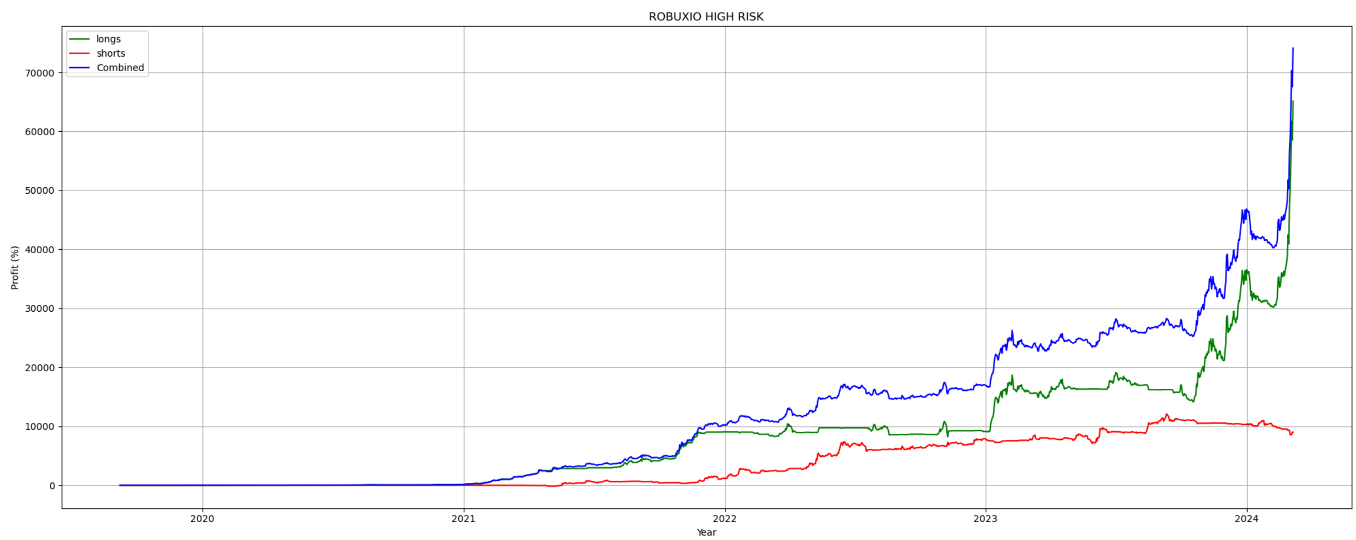


High risk portfolio

The High Risk Portfolio is the most volatile of the three standard portfolios. Its main task is to deliver the maximum possible returns while maintaining a high level of diversification and a low capital allocation at the level of the individual cryptocurrency.

The average capital usage is 39.9%. The historical maximum capital usage is 132.5%.

NetProfit	ROR	MaxDD	ExpectedDD	Trades	PctWins	AvgWin	AvgLoss	Expectancy	ProfitFactor	Sharpe	AvgUse
74 118%	363.8%%	-14.64%	-40%	10 406	51.87%	12.29%	6.26%	3.36%	1.81	2.97	39.9%



Individualized portfolios

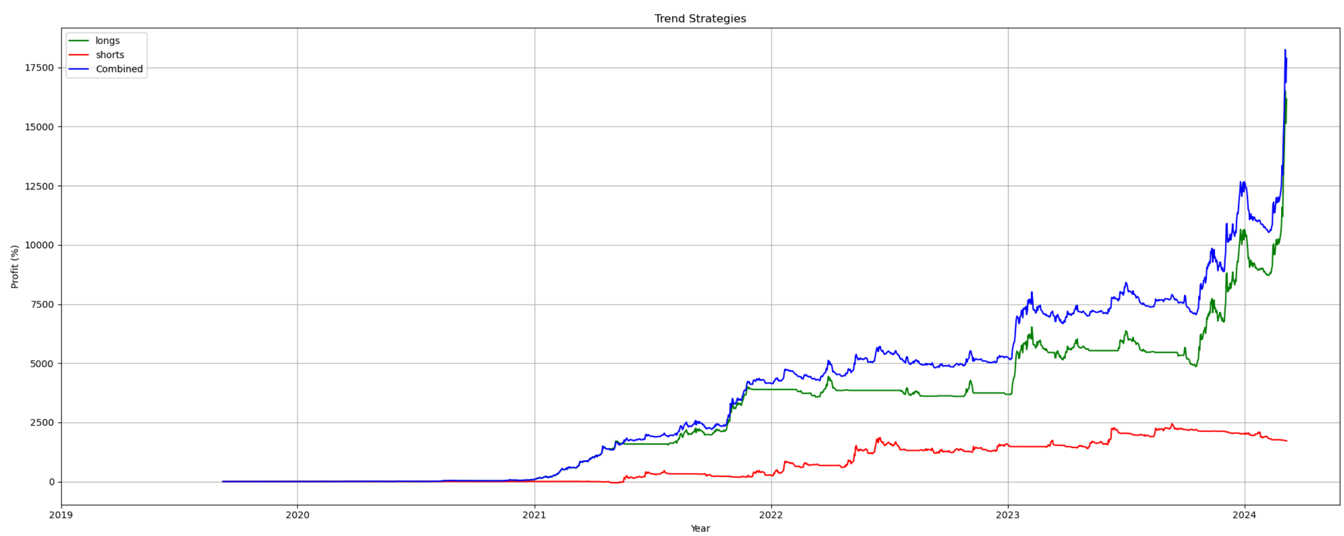
Our proprietary solution provides the ability to create and trade individualized portfolios.

These portfolios may be of particular interest to entities that trade a certain approach and would like to further diversify their trading in other directions.

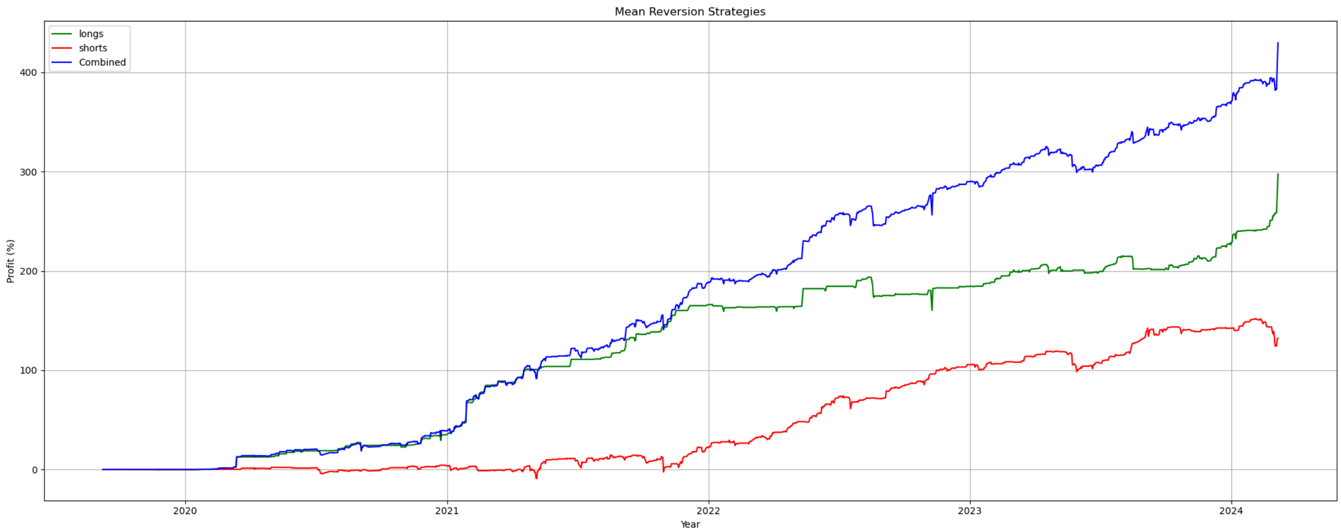
For example, basic individualized portfolios can be those that trade only the trend component or the mean reversion component.
At the extreme, they may be portfolios that trade only the long or short component of each of the above approaches.

An example of a trend sub-portfolio and a mean reversion sub-portfolio below. Portfolios can however be individualized based on various parameters. One of them can be the required maximum volatility.

Trend strategies sub-portfolio



Mean reversion strategies sub-portfolio



Trading strategies

Number of strategies in portfolios: 15

Number of strategies per trading approach:

1. Directional strategies (trend strategies and breakout strategies): 9
2. Mean reversion strategies: 6

1. Long strategies: 9
2. Short strategies: 6

Each strategy is built to meet demanding robustness conditions:

1. Logic transferred from another asset class. This condition is used to offset the lack of data in crypto assets. It is not possible to build a sufficiently robust strategy while relying on 5-7 years of historical daily data. The sample is too small. This is solved by cross-asset logic carry over.

2. Robustness across a wide range of parameters. Thanks to this condition, we know that the resulting strategy is able to function in a changing market. It is sufficiently stable and the particular parameter chosen is not critical to its functioning.

3. Robustness on other timeframes and daily close offsets. This testing allows us to monitor whether the strategy is robust enough to be profitable on lower time frames. In addition, we create our own daily candles with different daily closes on which we test the sensitivity of the strategy to the daily close parameter.

4. Maximum number of strategy conditions. Each strategy is designed to contain the fewest possible entry and exit conditions. Each additional parameter contributes exponentially to the possibility of strategy over-optimization. Strategies consist of 1-3 entry conditions (including a potential regime filter) and 1-2 exit conditions.

Trading Universe

Our strategies are not affected by Hindsight Bias or Survivorship Bias. In backtesting and live trading, we use proprietary rankings for trading in liquid cryptocurrencies and cryptocurrencies that are properly positioned for each strategy.

Ranking 1 - Liquidity: Every day there is a ranking of crypto futures based on liquidity. The most liquid crypto futures are automatically selected and they move on to ranking 2.

Ranking 2 - Ideal characteristics: Every strategy needs cryptocurrencies that are set up in a certain way. Therefore, cryptocurrencies are further automatically classified based on the conditions that are positive for each strategy. These are then traded at the individual strategy level.

Cross validation of strategies: All strategies are validated using commercial strategy building tools (Realtest) and our own proprietary solution that we use for the live trading.

Strategy groups and description

Long directional strategies

This group includes trend and breakout strategies trading on the long side.

Trend Catcher: Typical trend strategy with an average holding period of 22 days for a winning position and 4 days for a losing position. One entry condition, one exit condition and a regime filter.

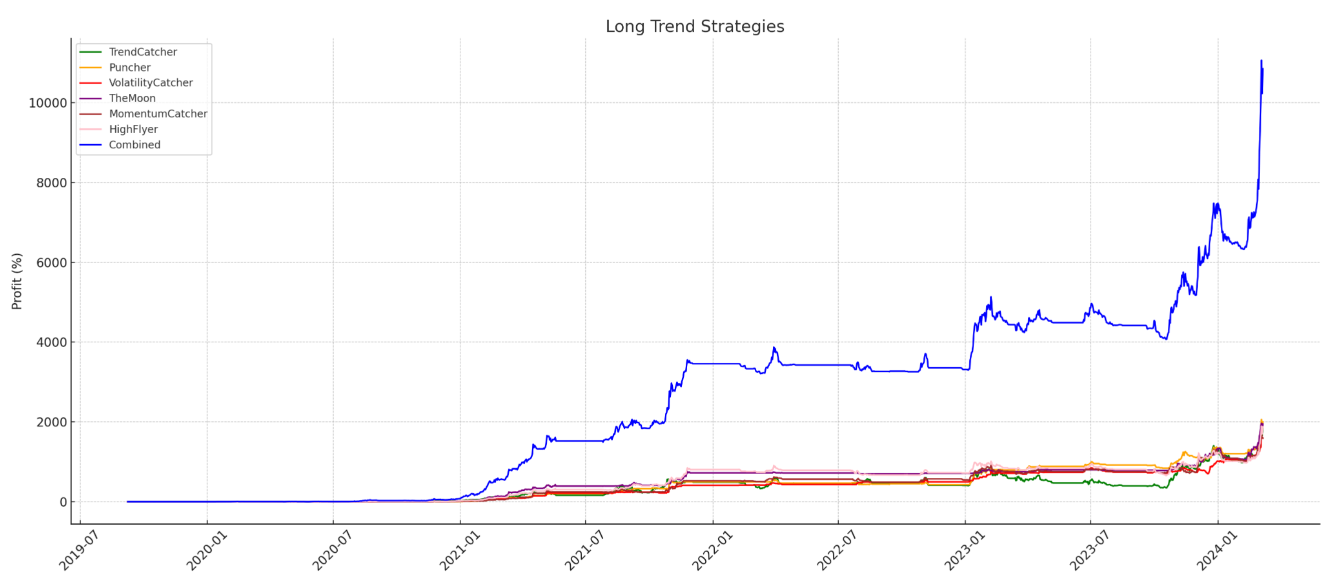
Puncher: Momentum strategy with an average holding period of 2 days. The strategy takes advantage of the moment when the extreme excess of demand over supply occurs.

Volatility Catcher: A short-term momentum strategy with an average holding period of 1.5 days. It waits for a certain discount to enter once the entry condition is met, hence its risk profile is different from Puncher.

The Moon: A long-term breakout strategy that enters at significant levels. If the market is out of a major bull market, it is usually 100% in the money and its capital is used by other strategies.

Momentum Catcher: Short-term breakout strategy. Its main purpose is to catch shorter-term breakouts with a quick exit within a few days. Thus, it has a different profile from medium and long term breakout strategies.

High Flyer: Medium-term breakout strategy trading breakouts of more significant levels. The average holding period for a profitable position is 7 days and for a losing position 3 days.



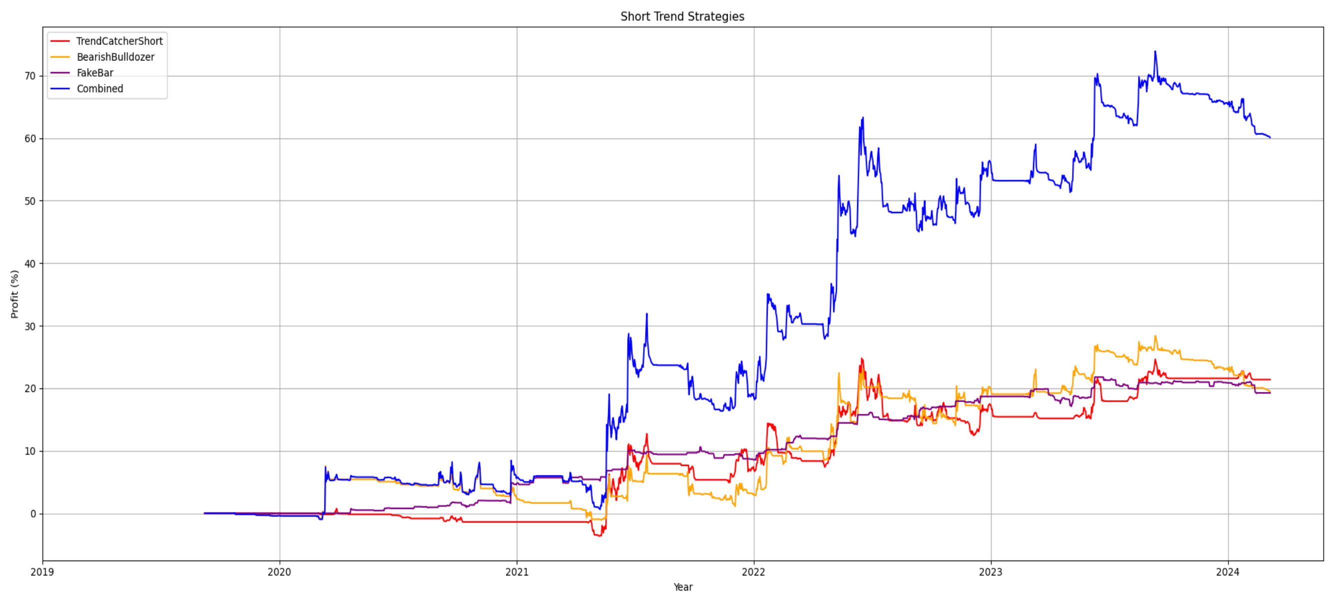
Short directional strategies

This group of strategies benefits in strong bear market phases. Its second function is to hedge certain long strategies. Therefore, some strategies are set up to be in the market more often despite the fact that this reduces their profit potential. Risk control is always more important to us.

Trend Catcher Short: Directionally reversed trend strategy Trend Catcher. Very simple, very robust. The average holding period for a profitable trade is 7 days and for a losing trade 3 days.

Bearish Bulldozer: A breakout strategy that has a dual function. To profit in strongly trending markets to the short side and to hedge long positions.

FakeBar: A short-term breakout strategy that profits in short trending markets.The average holding period is 1 day.



Long mean reversion strategies

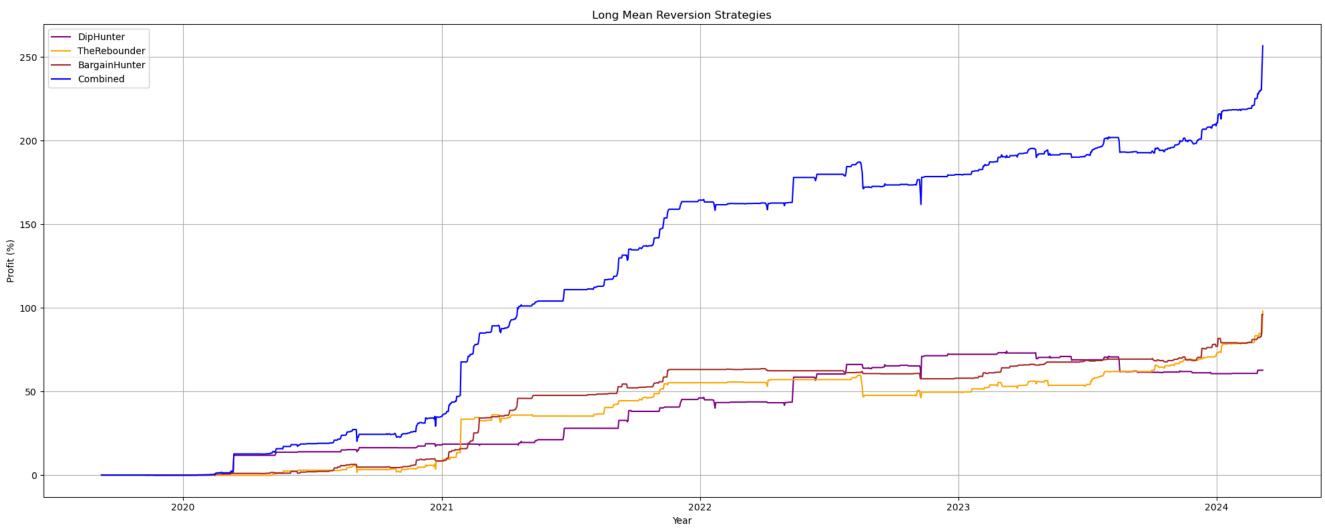
These strategies profit in long market phases and in a market that moves sideways. Some of these strategies also profit in slower bear market phases. In particular, they take advantage of the inefficiencies associated with crypto in overreacted phases of the market.

MR long strategies hold positions for 1-2 days on average.

Dip Hunter: Strategy that profits from the deep short-term dips against which it trades.

The Rebounder: Strategy that has a different profile from Dip Hunter. It trades after dips that are smaller but more frequent.

Bargain Hunter: Strategy that waits in the market for rapid declines in strongly trending markets on the long side.



Short mean reversion strategies

Short mean reversion strategies have several functions:

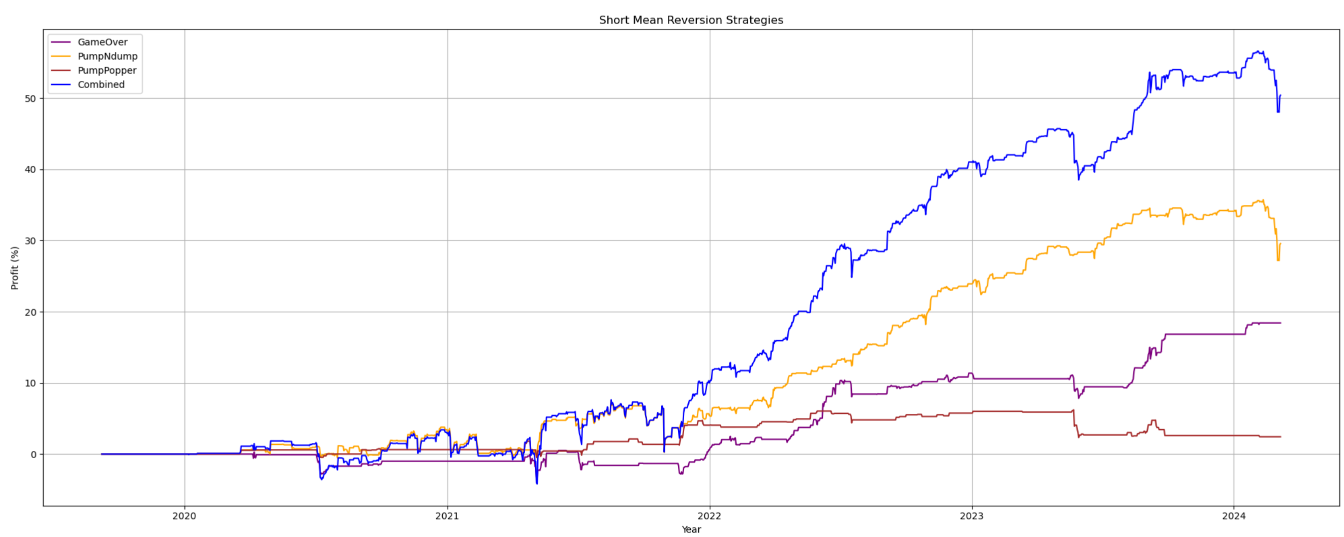
1. Profit from market overreactions to the long side.
2. Profit in bear markets.
3. Hedge long breakout and trend strategies in moments when the market is in a manic phase and rises extremely fast in an extremely short period of time.

The maximum trade holding period is 1 day as we don't want to be exposed for an extended period of time in a rising market. Inefficiency will either show up quickly or the system exits the position.

Game Over: Strategy profiting from an overbought market in bear market conditions.

PumpNdump: A strategy that must fulfill all 3 functions listed above. Therefore, its conditions are very loose. It is fine that it loses in moments of a strongly rising market. This is highly compensated by the profits from other strategies.

Pump Popper: A strategy that shorts short-term overbought markets in a bear market regime.



Further information on the strategies

1. Each strategy has a weight of 15% to 30% in the standardized portfolio
The weight of each strategy in the portfolio is based on its volatility, risk profile and correlation to other strategies.

2. Each strategy has its own purpose in the portfolio
There is no strategy in the portfolio for the sole purpose of trading more strategies. We have a large number of other strategies in incubation that are ready to replace some of the current strategies if needed.

3. Each strategy is monitored
Each strategy is periodically monitored and compared to its benchmark. We monitor its performance in relation to the market phase we are currently in. Accordingly, we further determine whether its performance is sufficient and within the metrics established to date.

4. Each strategy can be replaced
If a strategy is detected to be underperforming its benchmark over the long term, it can be replaced with another strategy that performs better and fulfills the same function across the portfolio.
Trading a broad portfolio of robust strategies gives us the ability to manage individual strategies according to their performance. If a strategy stops performing, nothing happens at the portfolio level. With our benchmarks, we detect everything in time and can replace the strategy.

Contacts

https://robuxio.com/live - Performance of our standardized portfolios on a daily basis.

https://robuxio.com/call/ - Schedule a meeting for further information on our trading approach and possible cooperation.

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