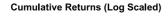
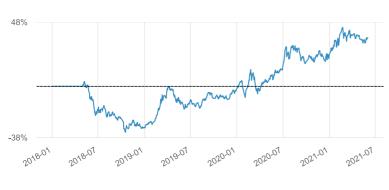
# $Strategy 2\_backtest \ \ 2 \ Jan, \ 2018 - 1 \ Jun, \ 2021$

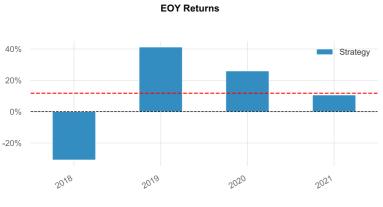
Author: Fangzhuo HOU Mail: finchhou@163.com



| <b>Key Performance Metrics</b> |          |
|--------------------------------|----------|
| Metric                         | Strategy |
| Risk-Free Rate                 | 0.0%     |
| Time in Market                 | 91.0%    |
| Cumulative Return              | 36.3%    |
| CAGR%                          | 9.5%     |
| Sharpe                         | 0.54     |
| Sortino                        | 0.74     |
| Sortino/√2                     | 0.52     |
| Max Drawdown                   | -36.55%  |
| Longest DD Days                | 621      |
| Volatility (ann.)              | 22.14%   |
| Calmar                         | 0.26     |
| Skew                           | -0.61    |
| Kurtosis                       | 3.33     |
| Expected Daily %               | 0.04%    |
| Expected Monthly %             | 0.74%    |
| Expected Yearly %              | 8.05%    |
| Kelly Criterion                | 4.83%    |
| Risk of Ruin                   | 0.0%     |
| Daily Value-at-Risk            | -2.25%   |







| Gain/Pain Ratio | 0.1  |
|-----------------|------|
| Gain/Pain (1M)  | 0.64 |
|                 |      |

Expected Shortfall (cVaR)

Payoff Ratio

| Profit Factor      | 1.1  |
|--------------------|------|
| Common Sense Ratio | 1.17 |
| CPC Index          | 0.58 |
| Tail Ratio         | 1.06 |
| Outlier Win Ratio  | 3.71 |
| Outlier Loss Ratio | 3.71 |

**Distribution of Monthly Returns** 

-2.25%

1.0

5Y (ann.)

10Y (ann.)

**Best Day** 

Worst Day

**Best Month** 

Worst Month

Best Year

Worst Year

Avg. Drawdown

Recovery Factor

Ulcer Index

Avg. Up Month

Win Days %

Win Month %

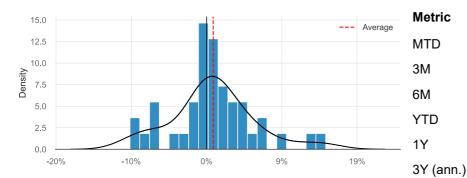
Win Quarter %

Win Year %

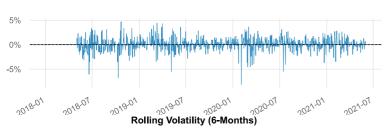
Avg. Down Month

Avg. Drawdown Days

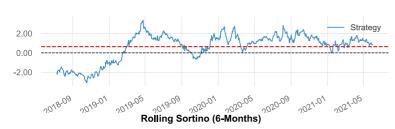
All-time (ann.)



#### **Daily Returns**









### Top 5 Drawdown Periods



## **EOY Returns**

| Year | Return   | Cumulative |
|------|----------|------------|
| 2018 | -34.53%% | -30.85%    |
| 2019 | 36.7%%   | 41.29%     |
| 2020 | 25.99%%  | 26.03%     |
| 2021 | 10.91%%  | 10.69%     |
|      |          |            |

## **Worst 10 Drawdowns**

| Started    | Recovered  | Drawdown | Days |
|------------|------------|----------|------|
| 2018-05-09 | 2020-01-20 | -36.55%  | 621  |

Strategy

0.31%

0.35%

10.59%

10.69%

24.06%

13.98%

9.5%

9.5%

9.5%

4.7%

-8.13%

15.83%

-10.17%

41.29%

-30.85%

-7.34%

77

0.99

1.01

4.17%

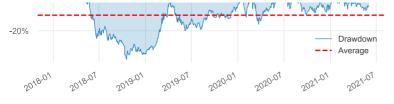
-4.48%

52.53%

63.16%

53.85%

75.0%



| 2018 | 0.00 | 0.00  | 0.00  | 0.00  |       | -10.17 | -0.29 | -4.54 | -2.59 | -9.55 | 1.83  | -2.03 |
|------|------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|
| 2019 | 3.11 | 15.83 | 14.20 | -0.84 | -6.46 | -0.28  | 0.68  | 2.03  | 1.57  | 1.03  | -1.63 | 8.01  |
| 2020 | 2.13 | 4.66  | -7.20 | 6.11  | 6.83  | 3.83   | 10.49 | 1.38  | -7.47 | 0.02  | 3.38  | 0.72  |
| 2021 | 4.88 | 5.17  | 1.36  | -1.73 | 0.43  | 0.31   | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
|      | JAN  | FEB   | MAR   | APR   | MAY   | JUN    | JUL   | AUG   | SEP   | OCT   | NOV   | DEC   |

| Started    | Recovered  | Drawdown | Days |
|------------|------------|----------|------|
| 2020-02-26 | 2020-06-23 | -16.12%  | 118  |
| 2020-01-21 | 2020-02-18 | -12.07%  | 28   |
| 2020-08-11 | 2021-01-18 | -10.39%  | 160  |
| 2021-02-23 | 2021-06-01 | -8.20%   | 98   |
| 2020-07-14 | 2020-08-05 | -7.11%   | 22   |
| 2021-02-04 | 2021-02-09 | -3.97%   | 5    |
| 2021-01-26 | 2021-02-03 | -3.96%   | 8    |
| 2020-08-06 | 2020-08-10 | -0.99%   | 4    |
| 2020-06-24 | 2020-06-30 | -0.90%   | 6    |
|            |            |          |      |

### **Return Quantiles**

