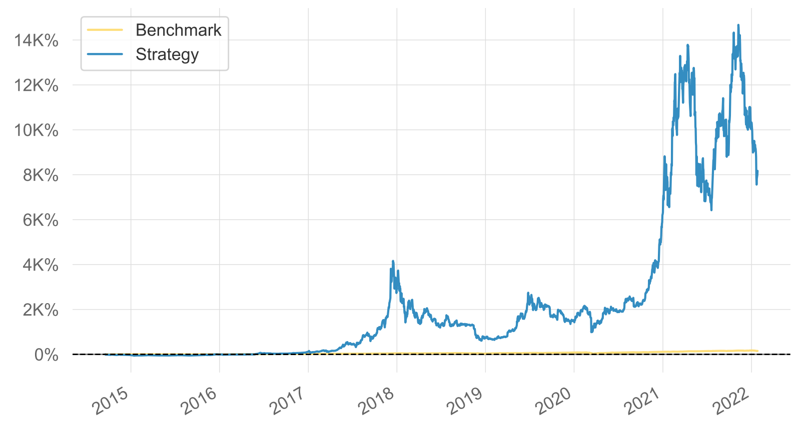
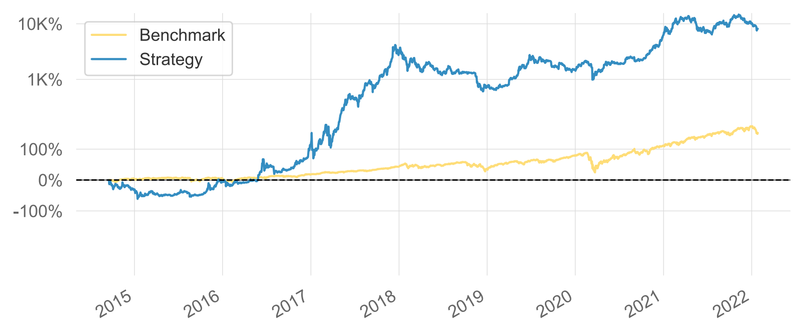
SPY vs BTC 17 Sep, 2014 - 26 Jan, 2022

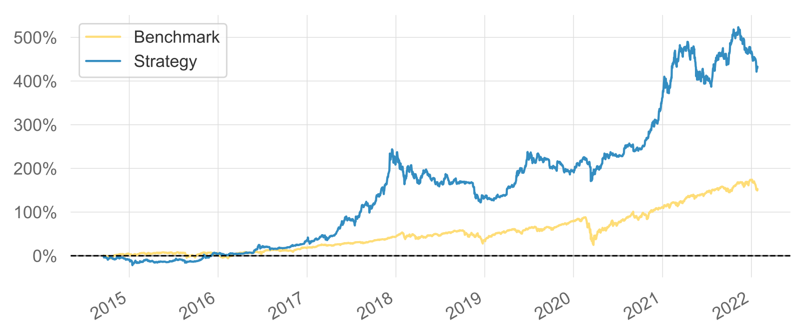
Cumulative Returns vs SPY



Cumulative Returns vs SPY (Log Scaled)



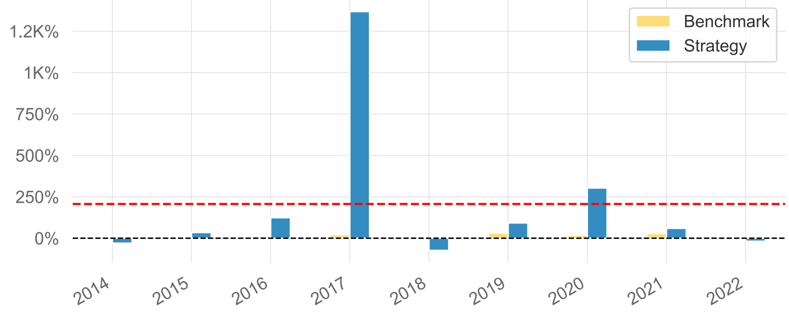
Cumulative Returns vs SPY (Volatility Matched)



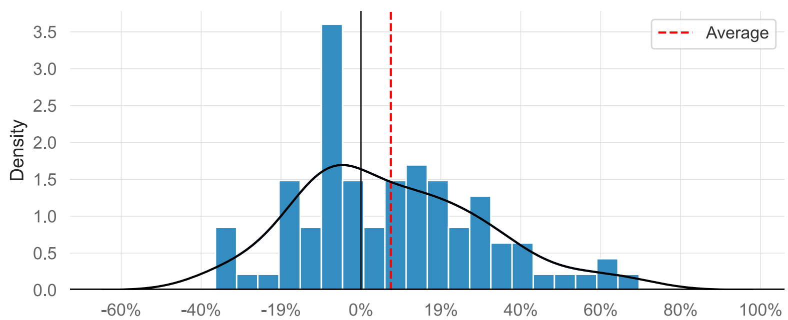
EOY Returns vs Benchmark

Key Performance Metrics

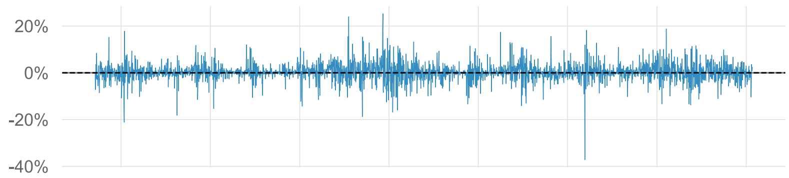
Metric	Strategy	Benchmark
Risk-Free Rate	0.0%	0.0%
Time in Market	100.0%	69.0%
Cumulative Return	8,171.86%	152.84%
CAGR﹪	82.13%	13.42%
Sharpe	0.98	0.67
Sortino	1.44	0.93
Sortino/√2	1.02	0.66
Omega (0﹪)	1.21	1.21
Max Drawdown	-83.4%	-33.72%
Longest DD Days	1079	272
Volatility (ann.)	61.7%	14.56%
R^2	0.02	0.02
Calmar	0.98	0.4
Skew	-0.16	-0.78
Kurtosis	7.32	25.85
Expected Daily %	0.16%	0.03%
Expected Monthly %	5.09%	1.05%
Expected Yearly %	63.33%	10.86%
Kelly Criterion	6.84%	7.56%
Risk of Ruin	0.0%	0.0%
Daily Value-at-Risk	-6.15%	-1.47%
Expected Shortfall (cVaR)	-6.15%	-1.47%
Gain/Pain Ratio	0.21	0.18
Gain/Pain (1M)	1.38	1.13
Payoff Ratio	0.97	0.93
Profit Factor	1.21	1.18
Common Sense Ratio	1.29	1.17
CPC Index	0.63	0.61
Tail Ratio	1.07	1.0



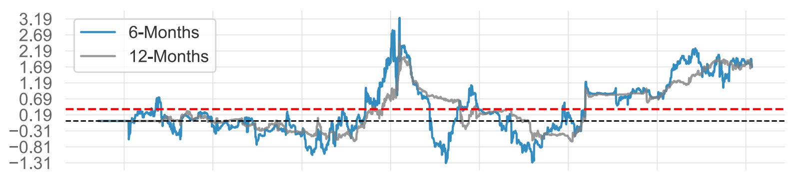
Distribution of Monthly Returns



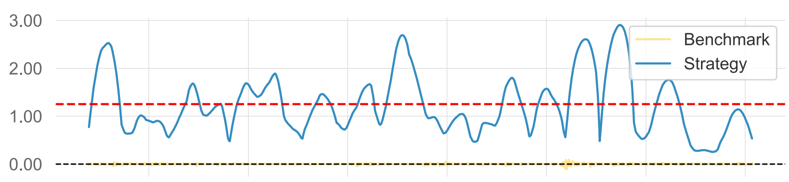
Daily Returns



Rolling Beta to Benchmark

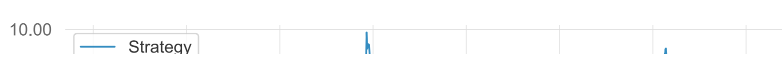


Rolling Volatility (6-Months)



Rolling Sharpe (6-Months)

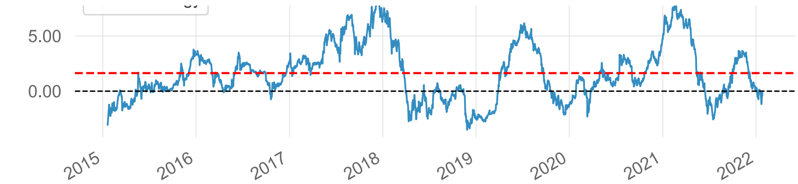
Rolling Sortino (6-Months)



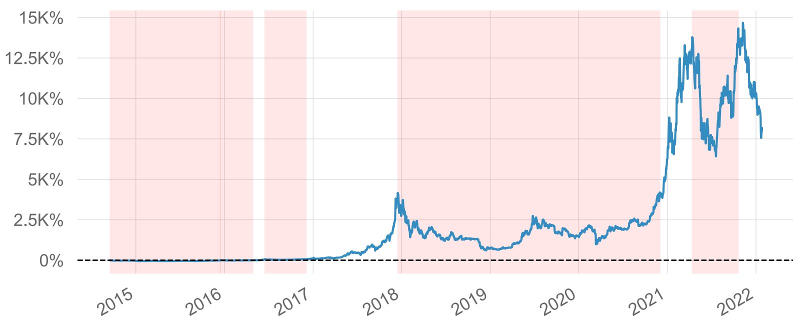
Metric	Strategy	Benchmark
Outlier Win Ratio	2.62	18.18
Outlier Loss Ratio	2.65	9.41
MTD	-18.31%	-7.26%
3M	-39.99%	-2.97%
6M	1.32%	0.55%
YTD	-18.31%	-7.26%
1Y	16.88%	16.12%
3Y (ann.)	118.98%	20.35%
5Y (ann.)	110.4%	15.98%
10Y (ann.)	82.13%	13.42%
All-time (ann.)	82.13%	13.42%
Best Day	25.25%	9.06%
Worst Day	-37.17%	-10.94%
Best Month	69.63%	12.7%
Worst Month	-36.41%	-12.49%
Best Year	1368.9%	31.22%
Worst Year	-73.56%	-7.26%
Avg. Drawdown	-11.64%	-1.58%
Avg. Drawdown Days	45	14
Recovery Factor	97.99	4.53
Ulcer Index	0.42	0.05
Serenity Index	10.03	2.83
Avg. Up Month	25.0%	3.4%
Avg. Down Month	-13.91%	-4.63%
Win Days %	54.19%	55.35%
Win Month %	55.06%	70.79%
Win Quarter %	54.84%	80.65%
Win Year %	66.67%	77.78%
Beta	0.61	-
Alpha	0.55	-

EOY Returns vs Benchmark

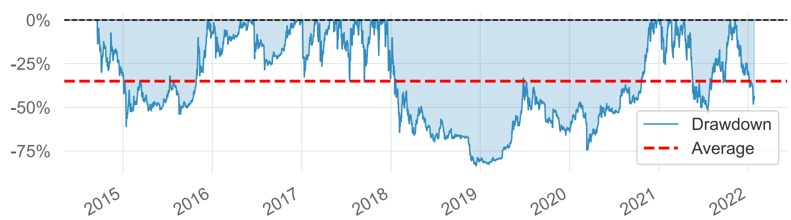
Year	Benchmark	Strategy	Multiplier	Won
2014	3.57%	-29.99%	-8.40	-



Worst 5 Drawdown Periods

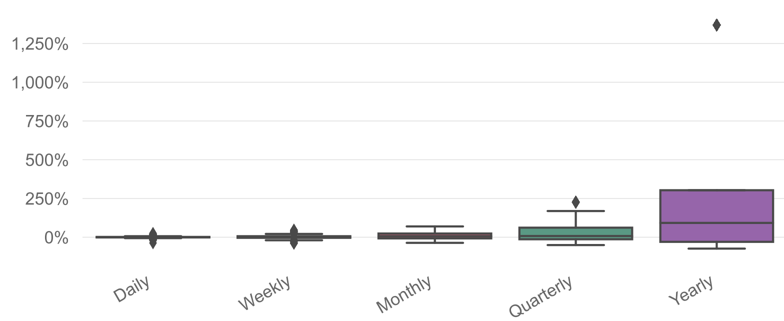


Underwater Plot



	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
2014	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-15.39	-12.57	11.74	-15.30
2015	-32.08	16.92	-3.95	-3.31	-2.52	14.28	8.20	-19.18	2.61	33.09	20.10	14.11
2016	-14.35	18.69	-4.79	7.58	18.53	26.71	-7.23	-7.88	5.95	14.96	6.38	29.24
2017	0.69	21.60	-9.17	25.76	69.63	8.50	15.90	63.58	-7.75	49.09	58.21	38.33
2018	-27.80	1.73	-32.93	32.51	-18.90	-14.55	21.49	-9.55	-5.85	-4.65	-36.41	-6.83
2019	-7.61	11.48	6.50	30.33	60.25	26.15	-6.76	-4.51	-13.88	10.92	-17.72	-4.97
2020	29.98	-8.03	-25.13	34.48	9.27	-3.41	23.92	3.16	-7.67	27.79	42.41	47.77
2021	14.18	36.31	30.53	-1.98	-35.35	-6.14	18.79	13.31	-7.16	40.03	-7.03	-18.77
2022	-18.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Return Quantiles



Year	Benchmark	Strategy	Multiplier	Won
2015	1.23%	34.47%	27.93	+
2016	12.00%	123.83%	10.32	+
2017	21.71%	1368.90%	63.07	+
2018	-4.57%	-73.56%	16.10	-
2019	31.22%	92.20%	2.95	+
2020	18.33%	303.16%	16.54	+
2021	28.73%	59.67%	2.08	+
2022	-7.25%	-18.31%	2.52	-

Worst 10 Drawdowns

Started	Recovered	Drawdown	Days
2017-12-17	2020-11-30	-83.40%	1079
2014-09-18	2015-12-15	-61.06%	453
2021-04-14	2021-10-19	-53.06%	188
2021-11-09	2022-01-26	-48.15%	78
2017-09-02	2017-10-12	-35.51%	40
2017-06-12	2017-08-05	-34.76%	54
2017-01-05	2017-02-23	-32.65%	49
2016-06-17	2016-12-02	-28.56%	168
2017-03-04	2017-04-26	-26.47%	53
2021-01-09	2021-02-08	-25.41%	30