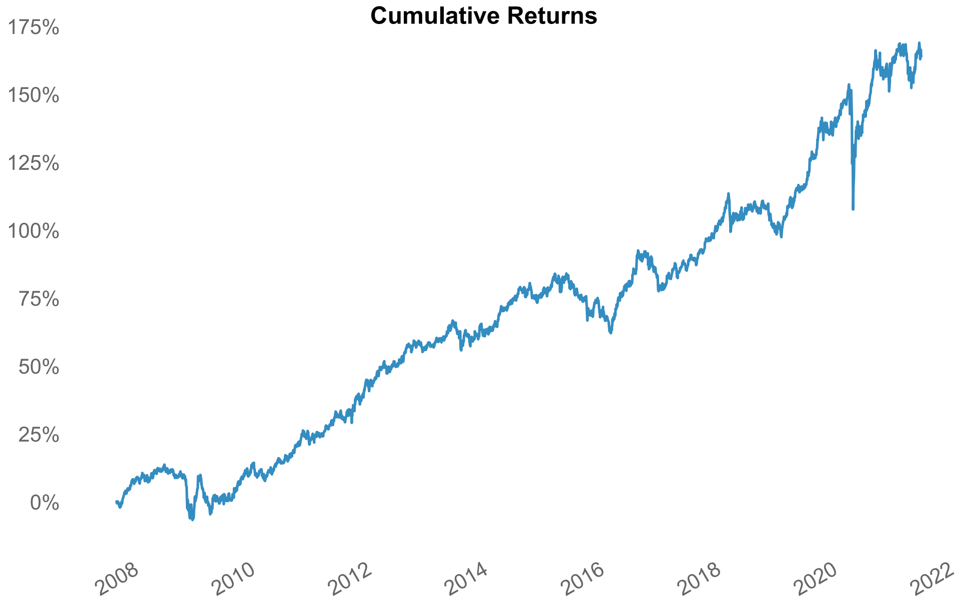
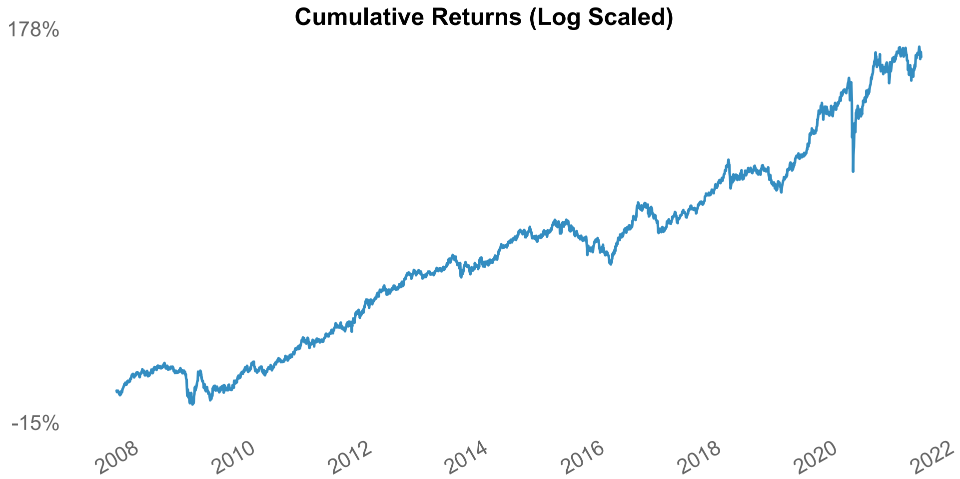
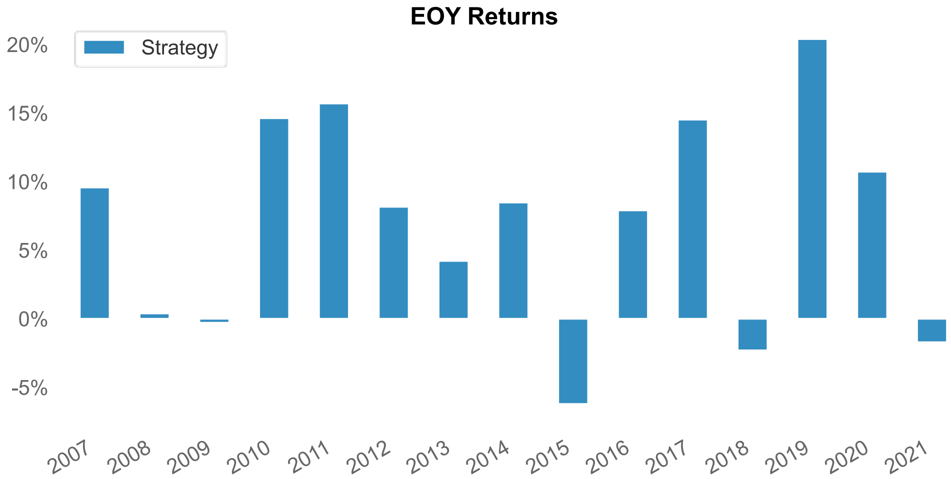
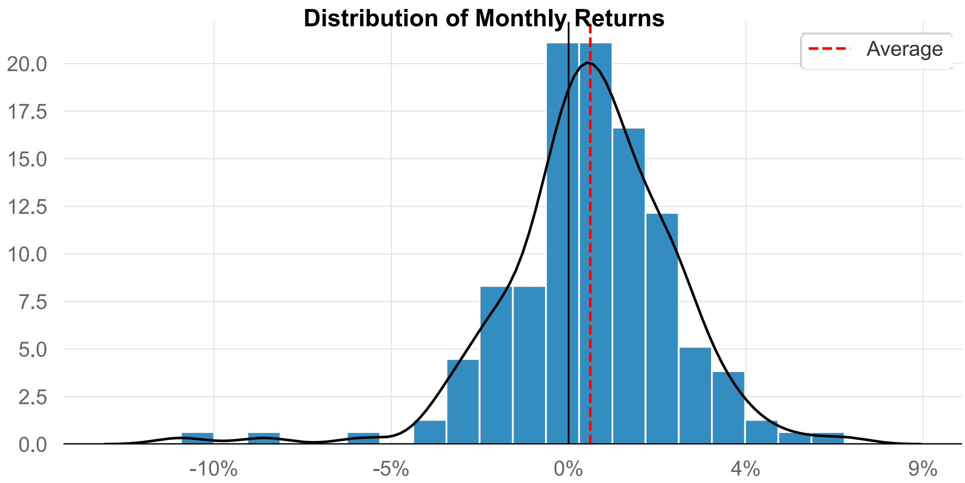
Maximum Diversification 25 Jul, 2007 - 19 May, 2021

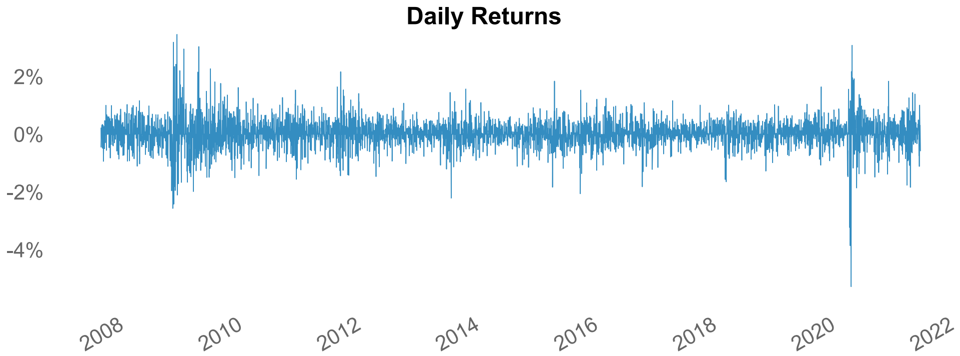
Generated by QuantStats (v. 0.0.26)

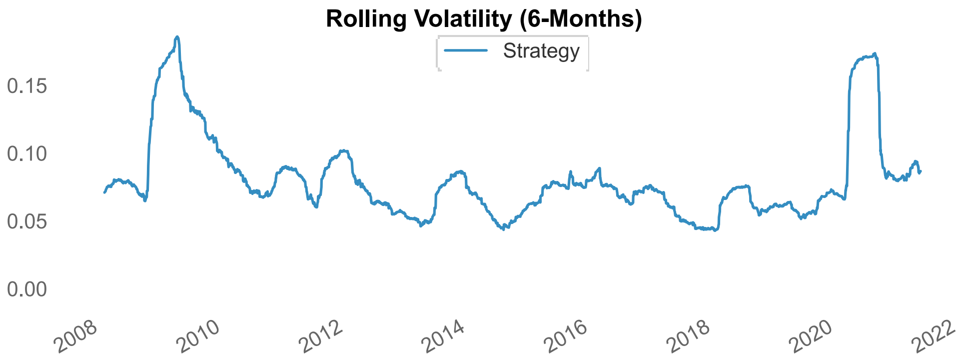


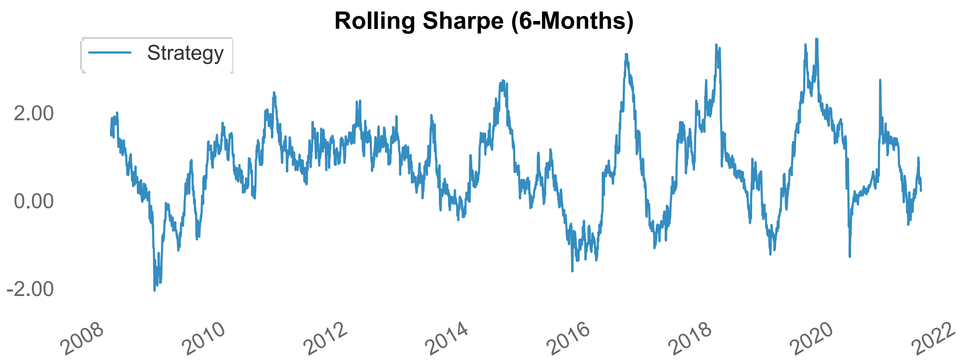


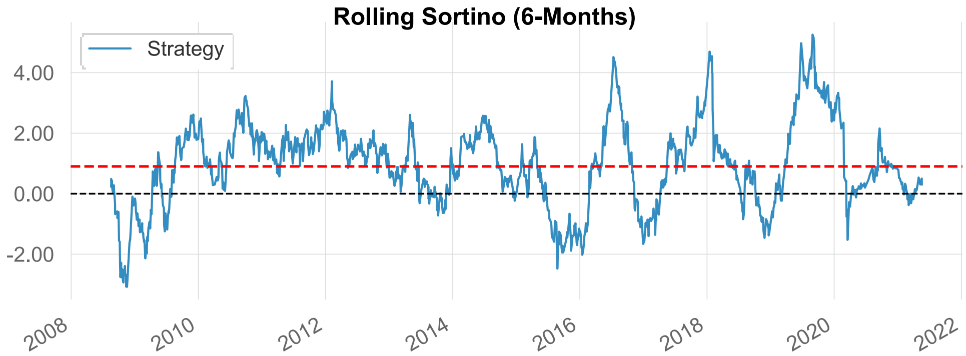


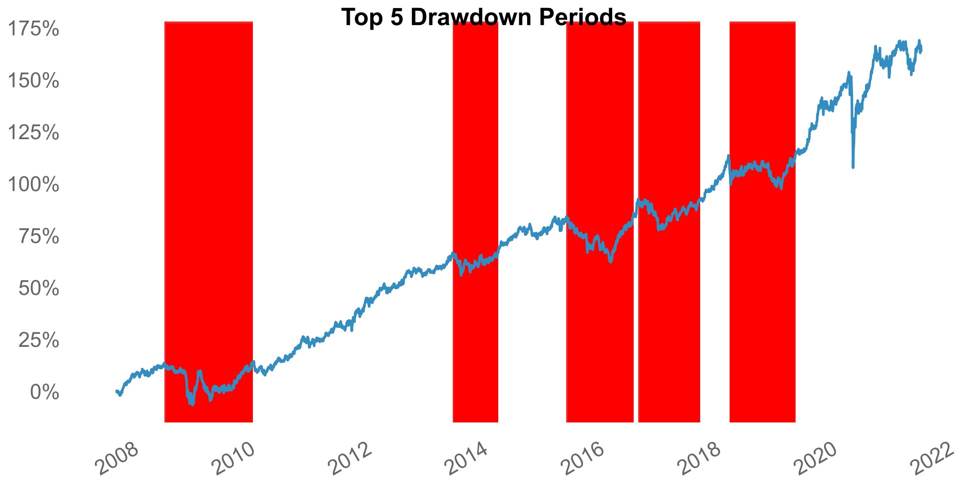

Distribution of Monthly Returns
Average
20.0
17.5
15.0
12.5
10.0
7.5
5.0
2.5
0.0
-10%
-5%
0%
4%
9%

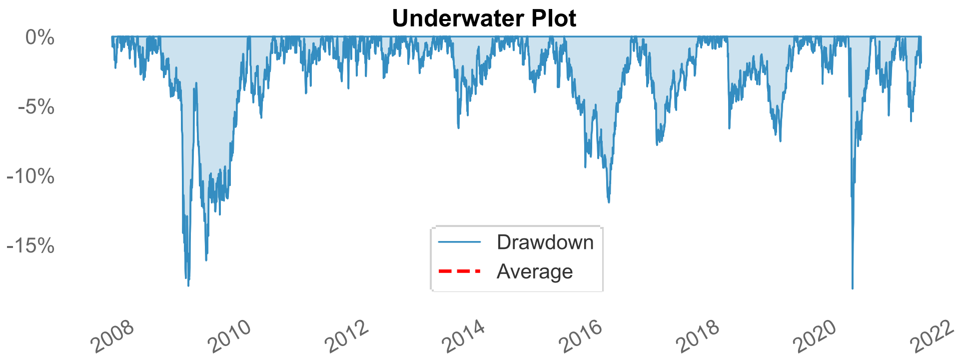

Daily Returns
2%
0%
-2%
-4%
2008
2010
2012
2014
2016
2018
2020
2022


Rolling Volatility (6-Months)
Strategy
0.15
0.10
0.05
0.00
2008
2010
2012
2014
2016
2018
2020
2022


Rolling Sharpe (6-Months)
Strategy
2.00
0.00
-2.00
2008
2010
2012
2014
2016
2018
2020
2022


Rolling Sortino (6-Months)
Strategy
4.00
2.00
0.00
-2.00
2008
2010
2012
2014
2016
2018
2020
2022

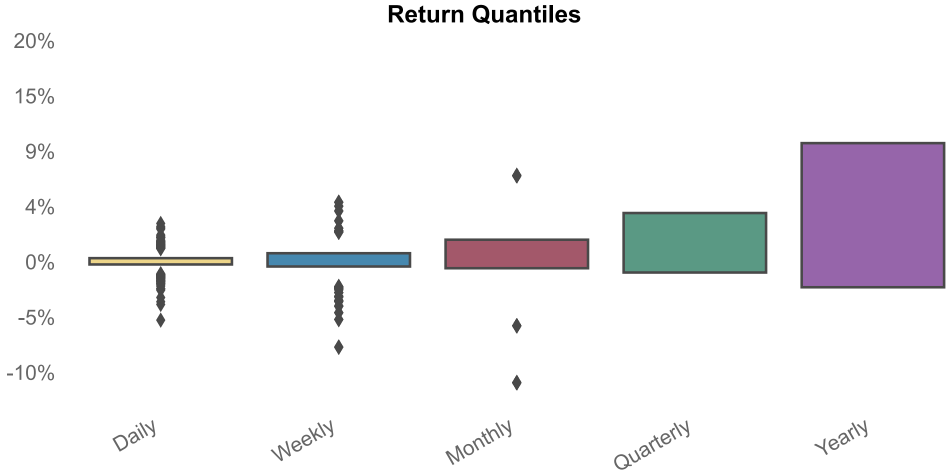

Top 5 Drawdown Periods
175%
150%
125%
100%
75%
50%
25%
0%
2008
2010
2012
2014
2016
2018
2020
2022


Underwater Plot
0%
-5%
-10%
-15%
Drawdown
Average
2008
2010
2012
2014
2016
2018
2020
2022

Monthly Returns (%)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
2007	0.00	0.00	0.00	0.00	0.00	0.00	-0.10	1.00	3.37	2.87	1.35	0.75
2008	-0.09	0.96	0.27	0.55	0.23	0.07	-1.63	0.45	-2.48	-10.93	6.37	7.78
2009	-8.59	-3.40	4.37	-1.89	3.46	-0.34	2.44	1.99	2.78	-0.40	3.89	-3.76
2010	-0.86	1.97	0.47	3.48	-0.55	1.37	1.51	2.90	2.82	-0.41	-0.36	1.50
2011	-0.73	2.69	0.74	3.24	0.26	-2.40	1.91	3.07	-0.06	4.14	1.15	0.85
2012	2.88	0.44	-1.21	2.05	0.37	1.05	2.69	0.99	-0.32	-1.39	1.14	-0.71
2013	1.18	0.54	1.53	2.20	-2.53	-2.25	2.13	-0.87	0.75	1.89	-0.56	0.26
2014	1.00	3.34	0.23	0.99	1.28	2.07	-2.03	2.90	-3.20	0.76	0.80	0.19
2015	3.02	-0.34	-1.06	0.21	-0.57	-2.22	-0.52	-2.23	-1.23	2.87	-2.16	-1.99
2016	0.25	3.06	2.56	2.03	0.08	4.55	1.30	-0.58	-0.08	-3.14	-2.93	0.83
2017	1.69	2.47	-0.79	0.87	0.83	0.09	1.64	1.48	0.46	1.38	1.79	1.78
2018	2.36	-3.44	0.86	-0.13	1.61	0.05	-0.51	1.33	-0.68	-3.68	-0.27	0.35
2019	3.68	0.45	2.74	0.25	0.83	4.07	0.48	5.14	-0.92	0.60	0.52	1.05
2020	1.75	-1.57	-5.79	3.46	3.04	1.99	5.42	-0.15	-1.52	-2.63	4.71	2.13
2021	-1.63	-1.60	-2.10	4.19	-0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Return Quantiles



Key Performance Metrics

Metric	Strategy
Risk-Free Rate	0.0%
Time in Market	100.0%
Cumulative Return	163.93%
CAGR%	7.27%
Sharpe	0.87
Sortino	1.23
Max Drawdown	-18.15%
Longest DD Days	553
Volatility (ann.)	8.54%
Calmar	0.4
Skew	-0.43
Kurtosis	7.5
Expected Daily %	0.03%
Expected Monthly %	0.58%
Expected Yearly %	6.68%
Kelly Criterion	7.72%

Metric	Strategy
Risk of Ruin	0.0%
Daily Value-at-Risk	-0.86%
Expected Shortfall (cVaR)	-0.86%
Payoff Ratio	0.98
Profit Factor	1.17
Common Sense Ratio	1.12
CPC Index	0.62
Tail Ratio	0.96
Outlier Win Ratio	3.8
Outlier Loss Ratio	3.71
MTD	-0.46%
3M	-1.04%
6M	1.17%
YTD	-1.71%
1Y	9.88%
3Y (ann.)	8.55%
5Y (ann.)	8.02%
10Y (ann.)	7.18%
All-time (ann.)	7.27%
Best Day	3.46%
Worst Day	-5.28%
Best Month	7.78%
Worst Month	-10.93%
Best Year	20.4%
Worst Year	-6.22%
Avg. Drawdown	-1.37%
Avg. Drawdown Days	30
Recovery Factor	9.03
Ulcer Index	1.02
Avg. Up Month	1.86%
Avg. Down Month	-1.74%
Win Days %	54.34%
Win Month %	65.27%
Win Quarter %	75.0%
Win Year %	73.33%

EOY Returns

Year	Return	Cumulative
2007	9.25%%	9.57%
2008	1.2%%	0.39%
2009	0.39%%	-0.29%
2010	13.99%%	14.63%
2011	14.94%%	15.7%
2012	8.02%%	8.17%
2013	4.4%%	4.22%
2014	8.29%%	8.48%

Year	Return	Cumulative
2015	-6.11%%	-6.22%
2016	7.87%%	7.91%
2017	13.68%%	14.53%
2018	-2.09%%	-2.3%
2019	18.76%%	20.4%
2020	11.09%%	10.73%
2021	-1.56%%	-1.71%

Worst 10 Drawdowns

Started	Recovered	Drawdown	Days
2020-02-24	2020-07-10	-18.15%	137
2008-05-21	2009-11-25	-17.95%	553
2015-04-16	2016-06-08	-11.94%	419
2016-07-11	2017-08-01	-7.81%	386
2018-01-29	2019-03-21	-7.54%	416
2013-05-03	2014-02-11	-6.60%	284
2021-01-06	2021-05-07	-6.10%	121
2009-12-03	2010-04-23	-5.85%	141
2020-08-07	2020-12-17	-5.68%	132
2010-10-07	2011-02-23	-4.09%	139