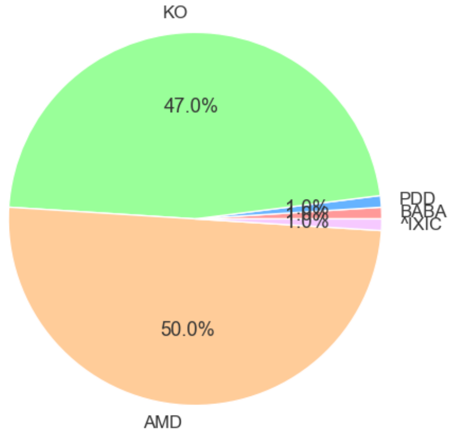
EMPYRIAL



Report

Start date: 2018-01-01

End date: 2022-11-05

Annual return: 32.19%

Cumulative return: 284.38%

Annual volatility: 34.08 %

Winning day ratio: 53.78

Sharpe ratio: 0.99

Calmar ratio: 0.81

Information ratio: 0.0

Stability: 0.92

Max drawdown: -39.78 %

Sortino ratio: 1.46

Skew: -0.04

Kurtosis: 3.57

Tail ratio: 1.0

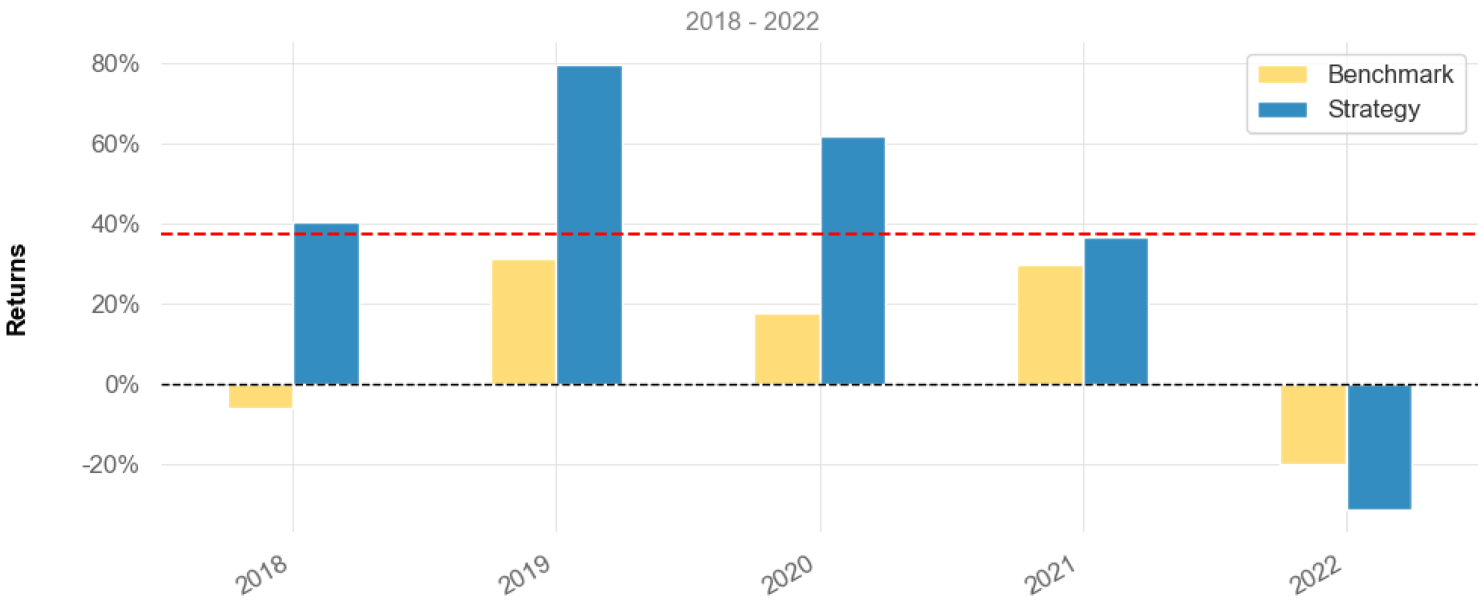
Common sense ratio: 1.19

Daily value at risk: -3.0 %

Alpha: 0.24

Beta: 1.18

EOY Returns vs Benchmark

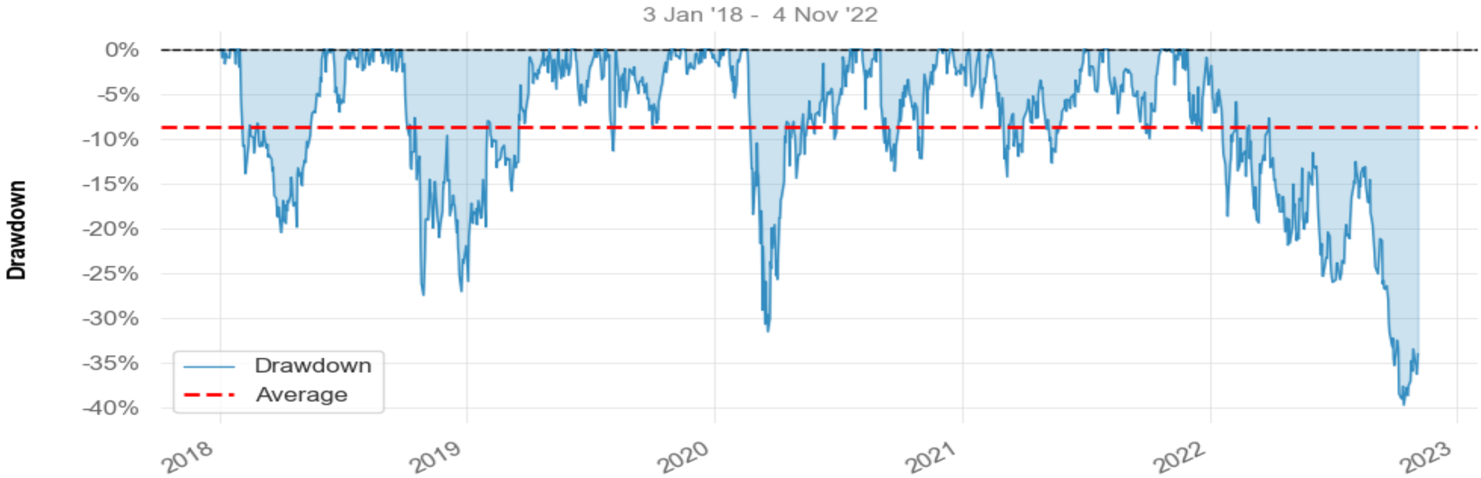


Cumulative Returns vs Benchmark

Monthly Returns (%)

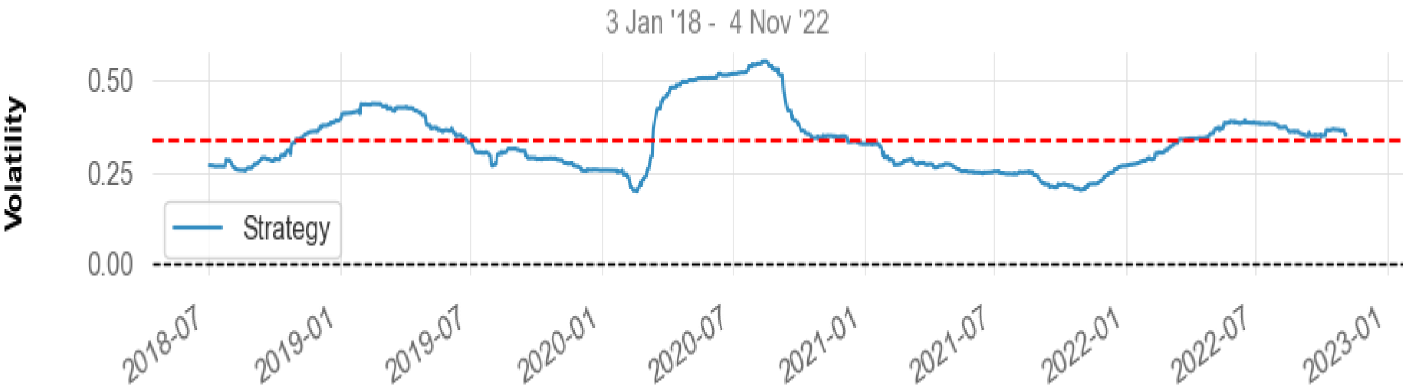
Years	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
2018	14.65	-10.24	-8.21	4.09	12.38	6.13	14.12	14.90	14.04	-21.46	12.34	-9.25
2019	17.03	-4.18	6.44	6.51	-0.43	8.00	2.03	4.66	-4.12	8.70	7.05	10.39
2020	-1.21	-4.78	-5.63	13.89	4.44	0.76	26.22	12.90	-6.57	-4.91	17.18	2.67
2021	-4.87	-0.01	-2.25	4.25	-1.08	10.07	7.36	3.32	-6.35	12.02	13.40	-1.82
2022	-9.25	5.01	-5.17	-9.71	8.94	-12.78	12.15	-6.34	-17.31	0.55	1.48	0.00

Underwater Plot



Worst 5 Drawdown Periods

Rolling Volatility (6-Months)



Rolling Sharpe (6-Months)

Rolling Beta to Benchmark