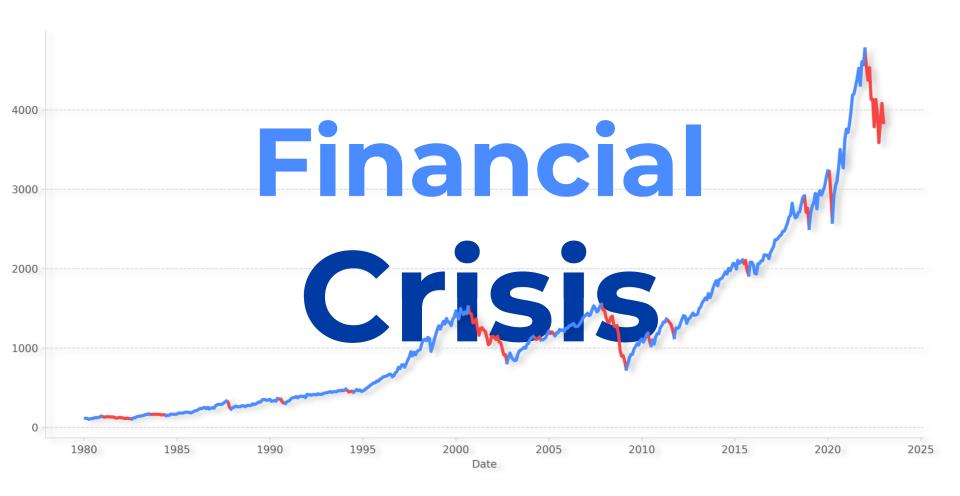
Capital Money+ Hedge fund

D-A-R Trading Strategy



Product Overview

6.68%

Downturn

Return

2.65%
CAPM
Alpha

Insurance for financial crisis

$$r_i - r_f = \alpha_i + \beta_i (r_m - r_f)$$

Product Overview

61.55% Win

Using CAPM

Winning Months

Total Months

15.7% 99% VaR

Historical Method

1 Month out of 8 Years

Executive Summary



Human Mind Bias Little Factor Crowdiness



Rule-based Strategy No Human Emotion



Different Time Windows
Different Regimes

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01 People

Team & Advantages

Team



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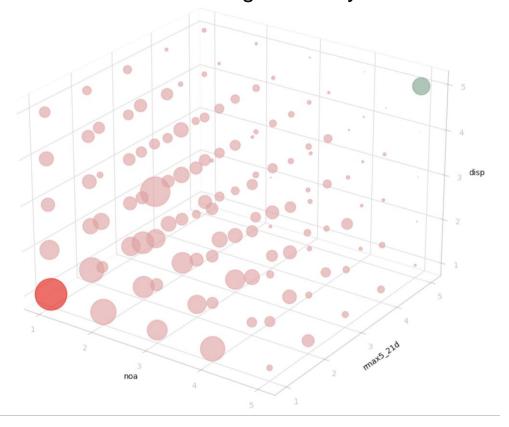
02 Strategy Design

Long-Short Strategy Portfolio Return Overview Predictors Selection Stop Loss

1) Portfolio Return Overview



> 2.6% average monthly return

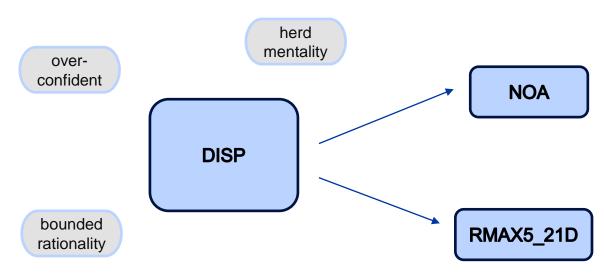


2) Predictors Selection

Our Predictors:

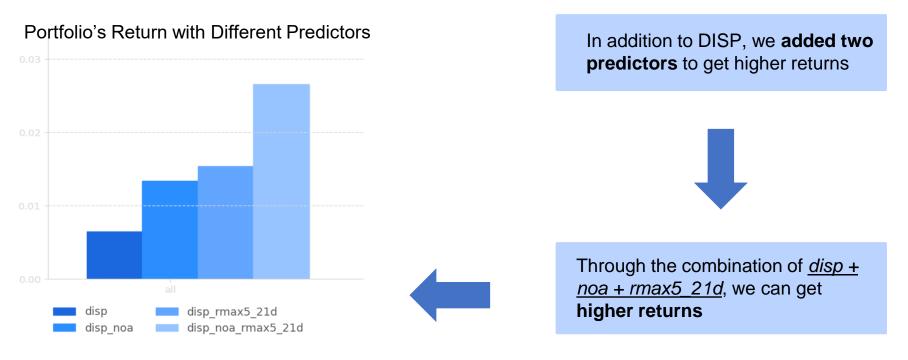
- Dispersion (DISP): Dispersion equals standard deviation of analyst forecasts/ Abs (Forecasted Earnings per Share (FEPS)).
- Net Operating Asset (NOA): Net operating asset defines the difference between a company's operating assets necessary to its core
 operations and its operating liabilities.
- Highest 5 days of Return Per Month (RMAX5_21D): records an indicator of the five highest return trading days for an asset or security in a month.

What behavioral biases in the predictor?



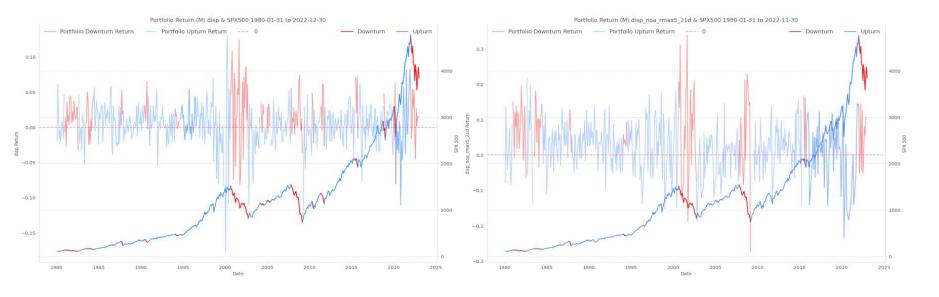


2) Predictors Selection



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3) Stop Loss Design



Without Stop Loss

With Stop Loss



If the month i return is less than -10%, then stop trading for i+1, i+2 months

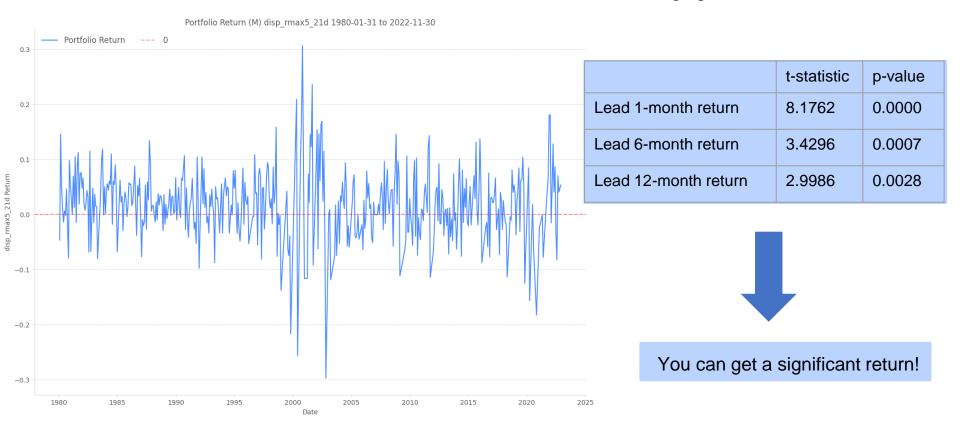
03

Evaluation of Performances

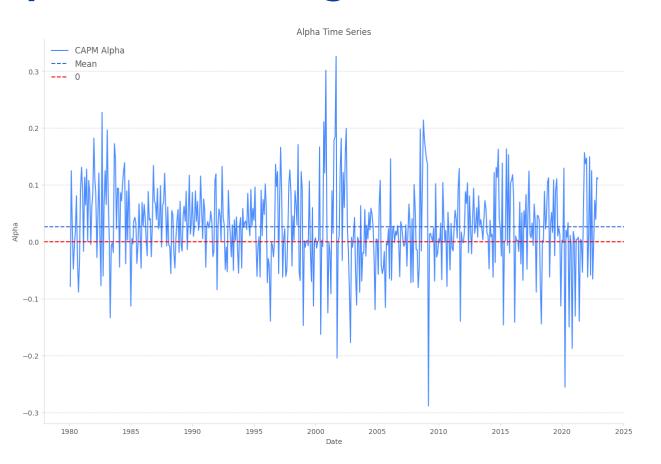
T-test Alpha Value at Risk Long-term/Short-term Different Regimes Comparison

1) Our Portfolio Has a Significant Return

-- Hedging Portfolio Return and its t-test



2) Take Advantage of Behavioral Biases



-- Tests of Alpha of Portfolios

CAPM Alpha: 0.0265 CAPM t-statistic: 7.9616 CAPM p-value ≈ 0

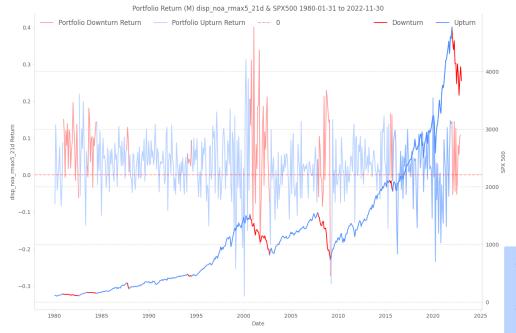
FF4 Alpha: 0.0259 FF4 t-statistic: 7.7432 FF4 p-value ≈ 0



Returns comes from other investors' **behavioral biases**

3)Predictors has a significant impact on returns

-- Fama-MacBeth Regressions



	T-stat	P-value
disp	-1.7968	0.0724
noa	5.1771	0.0000
rmax5_21d	2.0645	0.0390



- These three predictors contribute significantly to return
- The contribution has a long and stable existence

4) Value at Risk & Win Rate

99% VaR:

-21.20% (without stop-loss)

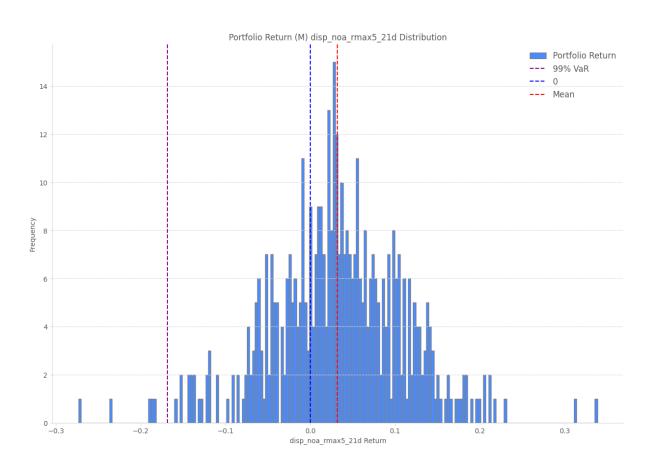
-15.74% (with stop-loss)

Win Rate: 0.6155

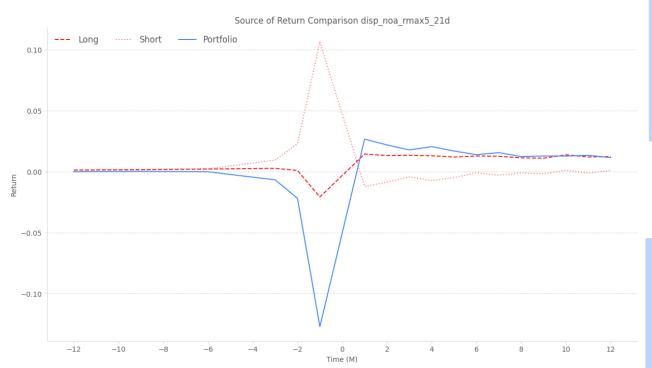


We can **profit in most of time**, **only** 1% chances to lose exceeding 15.74%.

With stop-loss: lose less with same probability.



5) Long/Short Term Performances



Short-term return: around 3%

Long-term: steadily maintain around 1.5-2%



Extraordinary short-term return
Stable long-term return

We successfully seize the investment opportunities

6) Portfolio Return in Different Regimes

Market Trend detection:

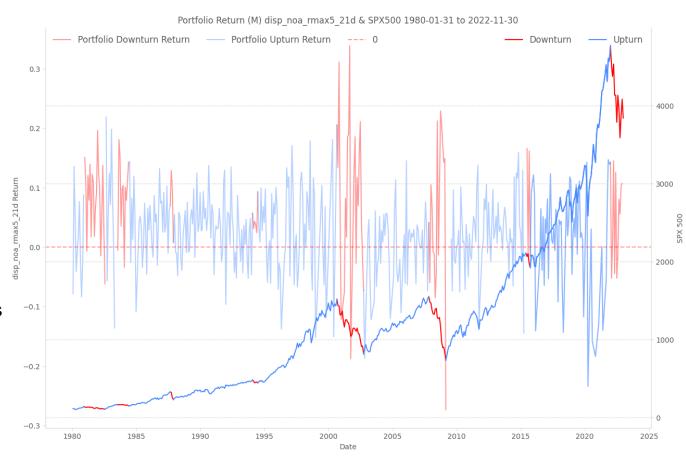
Upturn: blue Downturn: red

Insights:

- Downturn:

 Positive drift
 High positive average
 returns
- Upturn: Positive average returns
- Downturn <-> Upturn Negative drift.

Possible reason: DISP effect diminishes



7) Comparison: DISP 1/2/3 Predictors

Improvements for Long/Short-term Performance

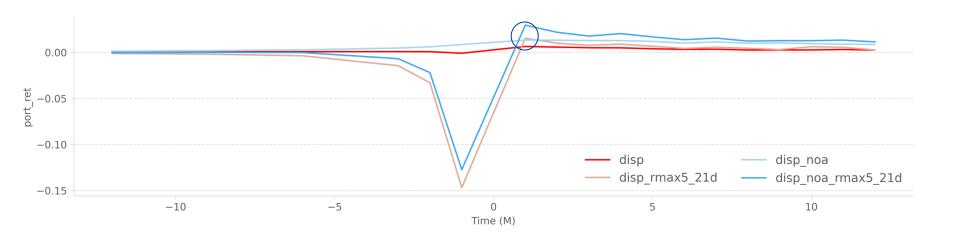
In DISP-related portfolios

Champion: Our D-A-R Strategy

Highest short-term return Highest + stable long-term return Helps from the additional predictors

rmax5_21d: increases short-term return

NOA: increases long-term return



7) Comparison: DISP 1/2/3 Predictors

Improvements for Different Regimes Performance

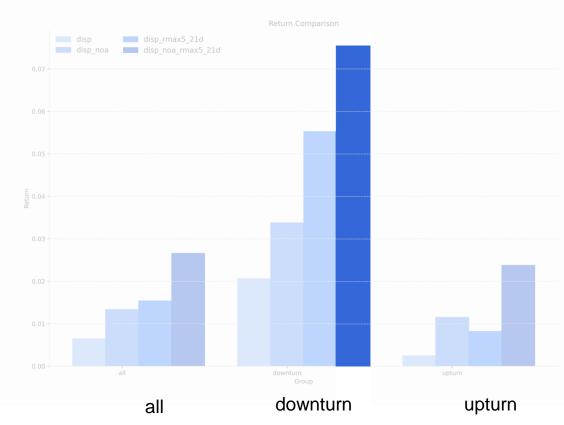
In DISP-related portfolios

7+% downturn return

2.3% upturn return

1 st place all the stages

Champion: Our D-A-R Strategy



Risk Exposure Disclosure

Market Risk

Leverage risk

Liquidity risk

Operational risk

Hedging strategy risk

Potential Risk

While increasing potential gains, increasing potential risks

If market liquidity decreases, unreasonable price...

The performance depends on the operation of our investment team

Only focus on some biased scenarios. May invalid sometimes

May only address specific risk problems and ignore other potential risks

INVEST!

Q & A

