# BVH Wikifolio Challenge 2025

SBM Fund



## Performance SBMF Wikifolio Challenge 2024

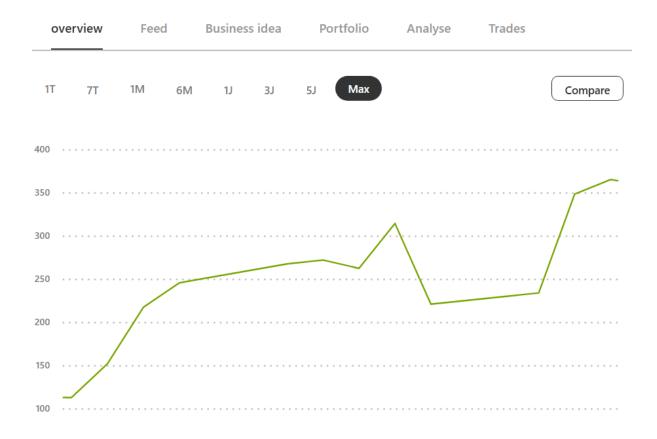






## Performance SBMF Wikifolio Challenge 2024

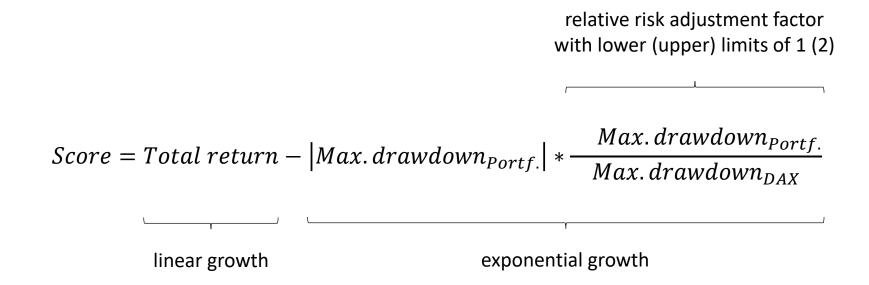
#### **Price Chart**





### Rulebook

- » Challenge rewards prudent downside risk management & control
  - » <u>Useful tools:</u> protective derivatives, stop-limit orders, diversification & rebalancing





## Rulebook

### Return Penalty from Excessive Risk

» Total return (thus score) is reduced disproportionally large by an above-DAX index maximum drawdown in return:

Portf. Drawdown	<b>Return Deduction</b>	Max. Drawdown (DD)	Risk Adj. Factor
rel. to DAX DD: -10% (assumed)	(max. DD * adj. factor)		
-5%	-0,050 (-5%)	0,95/1 - 1 = -0,05	1
-10%	-0,100 (-10%)	0.90/1 - 1 = -0.1	10/10 = 1
-15% (5% above DAX DD)	-0,225 (-22,5%)	0.85/1 - 1 = -0.15	15/10 = 1,5
-20% (10% above DAX DD)	-0,400 (-40,0%)	0.80/1 - 1 = -0.2	20/10 = 2
-30% (20% above DAX DD)	-0,600 (-60,0%)	0.70/1 - 1 = -0.3	2
-40% (30% above DAX DD)	-0,800 (-80,0%)	0,60/1 - 1 = -0,4	2



return/score deduction per unit of risk grows fastest for portf. DD between 5-10% above market DD



## Rulebook

### Herfindahl-Hirschman Index (HHI)

- » Quantifies the level of diversification → how (un)evenly capital is distributed within the portfolio
- » Helps managing concentration risk that could impact portfolio's performance
  - » Might require regular rebalancing of current positions due to price appreciation

$$HHI = \sum_{1}^{N} (Portf.share\ of\ each\ firm_{N})^{2}$$

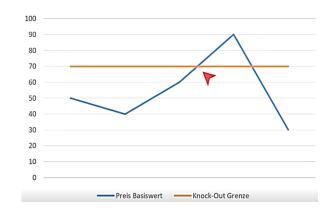
» Challenge requirement:  $HHI \le 3$  (implies at least 4 positions of similar capital size)

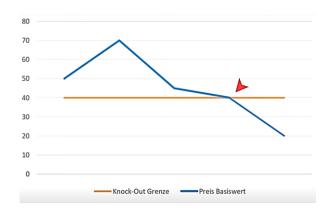


## **Trading Strategies**

### **Knock-Out Barrier Options**

- » Types:
  - » Up-and-out (for short bets on falling price of underlying)
  - » Down-and-out (for long bets on rising price of underlying)
- » Knockout barrier:
  - » Option is terminated if underlying breaks barrier (total loss)
- » Maturity:
  - » Open end vs. specific date
- » Leverage (multiplicator, "Turbo"):
  - » Multiple by which option price will change by price move in underlying asset
- » Bid-ask spread







#### **BVH Portfolio Challenge 2025**

# **Trading Strategies**

Trading Strategy	Av. Annual Gross Return (2000-2023)	Win Rate	Av. # Stocks	Filter 1	Filter 2	Filter 3
Top Ranked	48.8% 208.8% compounded (19 Nov 2021 - 22 Nov 2024)	61%	5	Zacks top ranked stocks: Pos. earnings estimate revisions for current & next fiscal year, etc.	Positive earnings estimate revisions for current quarter over last 4 weeks	Stocks with best broker rating upgrades over last 4 weeks
Top Mover	52.2% 192.2% compounded (19 Nov 2021 - 22 Nov 2024)	58%	3	Zacks top ranked stocks	Price/Sales ratio ≤ 0.5	Top percentage price gainers over the last 1/3/6 months
S&P 500	<b>7%</b> 33.5% (19 Nov 2021 - 22 Nov 2024					



# **Trading Strategies**

Top Ranked



Periods of greater performance

