SIGNAL RESEARCH NOTE

Momentum-Volatility Rank

Risk-Adjusted Momentum ranking evidence across the broad equity research panel.

FAMILY	UNIVERSE	RESEARCH HORIZON
Risk-Adjusted Momentum	**Broad equity research universe**	**252d**

Executive Summary

Momentum-Volatility Rank is an academic factor-style equity rank rebuilt on the local broad equity panel. The preferred row is 252d, with a 5.63% rank spread and 0.036 rank IC. The sheet presents confirmed secondary research evidence as historical ranking diagnostics.

Preferred horizon	**252d**
Rank spread	**5.63%**
Rank IC	**0.036**
Long-leg return	**25.12%**
Average turnover	**42.00%**
Universe size	**2,999**

Observations

1. The clearest evidence is evaluated at the 252d horizon.
2. The signal is best read as a research-library rank, not as a standalone product.
3. Formula details, issuer lists, and contemporaneous rank tables are excluded from the public note.

Data and Research Setup

The setup evaluates each factor-style rank on a consistent equity panel and forward horizon grid.

UNIVERSE

Broad equity research universe with monthly signal dates and common forward-return windows.

INPUTS

Local factor-style signal scores, issuer identifiers, and daily price outcomes.

HORIZONS

1d, 5d, 10d, 21d, 63d, 126d, and 252d forward windows are compared where available.

EXCLUSIONS

No issuer tables, holdings, formula recipe, or trading instruction is shown.

Signal Methodology

Without disclosing the exact functional, the construction proceeds along three conceptual steps.

STEP 1

Factor-style measurement

The signal summarizes risk-adjusted momentum characteristics into a relative score for each issuer.

STEP 2

Cross-sectional ranking

Issuers are ranked at each evaluation date and compared through later outcomes.

STEP 3

Horizon evaluation

The rank evidence is evaluated across adjacent forward windows to check whether the result is isolated.

> The description is intentionally conceptual. Formula details, exact construction rules and implementation parameters are not disclosed.

Results and Horizon Context

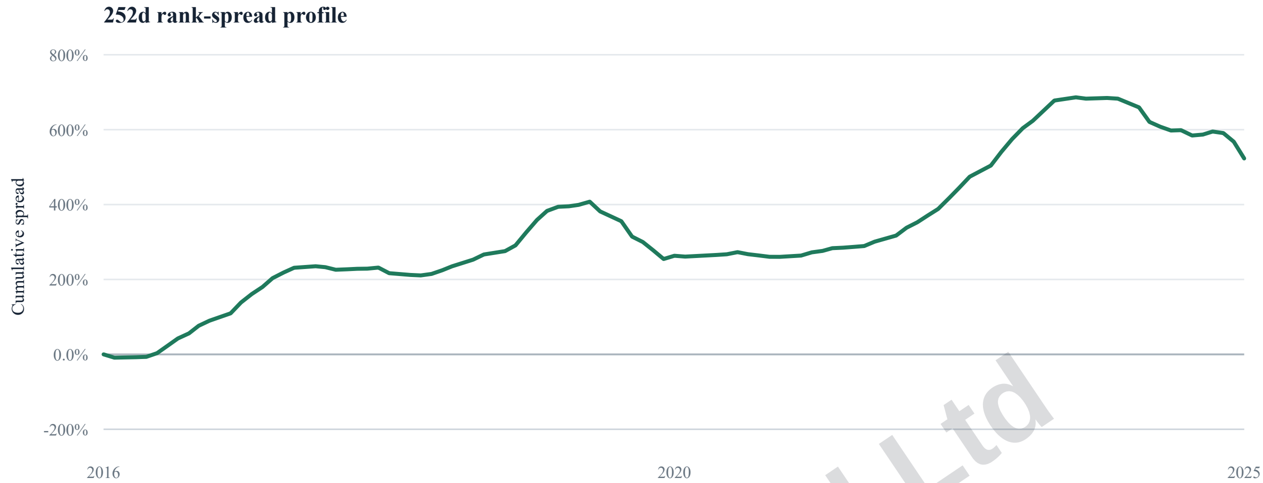

Figure 1. Cumulative 252d top-minus-bottom rank-spread contribution, normalised to zero at the first valid research observation. Long-horizon forward observations overlap, so the series should be read as a ranking diagnostic, not as a standalone return path.

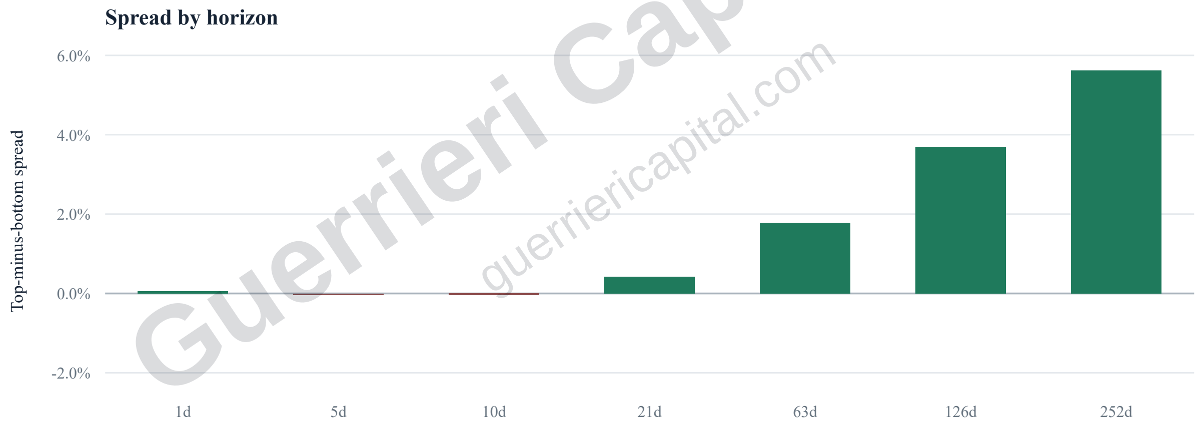

Figure 2. Top-minus-bottom spread across tested horizons under the same comparison setup.

Horizon	Rank spread	Rank IC	Long-leg return	Turnover
1d	0.06%	0.007	0.35%	42.00%
5d	-0.02%	-0.003	0.68%	42.00%
10d	-0.04%	-0.003	1.08%	42.00%
21d	0.42%	0.017	2.07%	42.00%
63d	1.77%	0.032	6.01%	42.00%
126d	3.70%	0.046	12.15%	42.00%
252d	**5.63%**	**0.036**	**25.12%**	**42.00%**

Positive spread means the higher-ranked group exceeded the lower-ranked group over the measured forward window.

Stability and Robustness

Stability is read through horizon coherence and date-level variation, not a single terminal row.

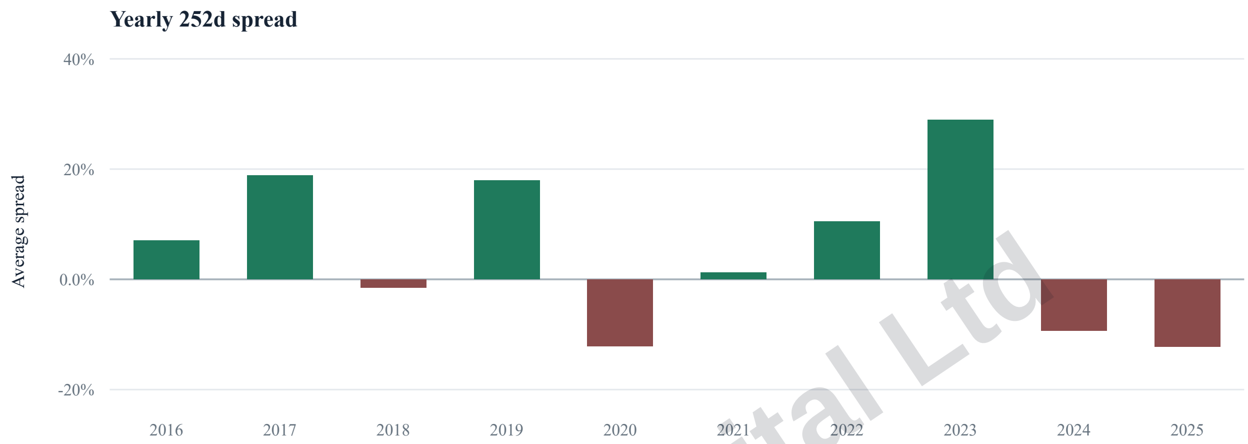

Figure 3. Yearly average 252d rank-spread contribution for the preferred horizon.

Year	Avg spread	Avg IC	Periods
2017	18.88%	0.231	10
2018	-1.49%	-0.018	11
2019	17.93%	0.148	10
2020	-12.09%	-0.088	11
2021	1.26%	-0.034	9
2022	10.53%	0.000	11
2023	28.95%	0.190	10
2024	-9.34%	-0.079	10
2025	-12.25%	-0.072	5

The result shows coherent historical ranking evidence at the preferred horizon. It remains a research-library component and should be compared against related signals before use in any broader study.

Research Interpretation

The conservative interpretation is to retain the evidence as research-library material.

ROLE IN LIBRARY

Secondary research candidate.

CAPTURES

Relative risk-adjusted momentum characteristics in the equity cross-section.

WHERE USEFUL

Useful when comparing related equity factor-style ranks and horizon behavior.

KNOWN LIMITATIONS

The note does not disclose the formula recipe, issuer-level rank tables, execution assumptions, or product suitability.