

Validraft

RESEARCH REPORT

News Sentiment Signal Research

Synthetic research scenario - evidence only, not a real client result.

SCOPE

US equity events · research panel

STUDY PERIOD

2018-01-02 to 2025-12-31

REPORT TYPE

Research Report

INCONCLUSIVE

Research evidence is inconclusive; validation is not established.

1. Executive summary

Verdict: **INCONCLUSIVE**

PRIMARY IC

0.0186

MEAN ROLLING ICIR

0.4200

This study evaluated: Synthetic News Sentiment Gap Followthrough V1. At the declared horizon 5 (unit not declared), mean Pearson IC 0.0186, declared p-value 0.0120, 776 date-level observations. 2 of 3 falsifiable predictions held. The evidence is inconclusive.

This is a research-evidence report, not a tradable backtest. A measurable relationship in historical data does not by itself establish an executable or profitable strategy. The analysis is not investment advice.

2. Scope coverage

No formal scope-coverage audit is available for this research run.

3. Hypothesis and methodology

Research question	Synthetic News Sentiment Gap Followthrough V1
Edge type	event catalyst news sentiment
Signal	synthetic_sentiment_surprise
Primary horizon	5 (unit not declared)
Forward horizons	1 (unit not declared), 5 (unit not declared), 10 (unit not declared)
Instrument / universe	Synthetic liquid US equity events
Data	Data contract not declared
Period	2018-01-02 to 2025-12-31
PIT preflight	PASS

No methodology definitions were declared in the research contract.

4. Parameter provenance and search-space

No formal parameter-provenance audit is available for this research run.

No multiple-testing summary available in the research payload.

5. Research evidence

5.1 Information-coefficient evidence by horizon

Horizon	Pearson IC	p-value	Spearman IC	p-value	N
1	0.0094	0.0840	0.0088	0.0970	18420
5	0.0186	0.0120	0.0169	0.0190	18108

Horizon	Pearson IC	p-value	Spearman IC	p-value	N
10	0.0108	0.0710	0.0097	0.0890	17790

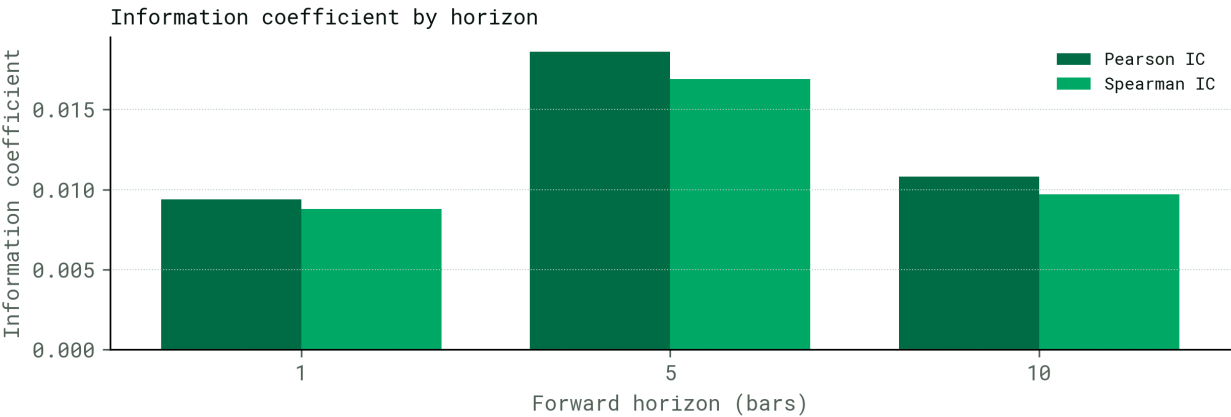
The retained IC surface predates the panel-inference v2 contract. Values and p-values are reported as declared; no HAC, pooled-row, or cross-sectional dependence interpretation is inferred.

5.2 Inference methodology and dependence treatment

No inference contract was declared; no dependence-treatment claim is made.

7. Stability analysis

Stability metric	Value
Latest rolling ICIR	0.3700
Mean rolling ICIR	0.4200
Minimum rolling ICIR	-0.0800
Maximum rolling ICIR	0.7100
IC stability	material_regime_variation



9. Dimensions not assessed

No material unassessed dimensions were recorded for this research run.

10. Falsifiable predictions by dimension

Other

Prediction	Importance	Observed	Result
Primary IC Abs	Advisory	0.0186	PASS
Primary IC Pvalue	Advisory	0.0120	PASS
Monotonic Decay	Advisory	false	FAIL

11. Verdict detail

Each criterion below is a gate the study must clear for a SUPPORTED verdict. The thresholds are fixed before the study is run.

Criterion	Threshold	Result
Monotonic decay	N/A	FAIL
Primary ic abs min	0.0100	PASS
Primary ic pvalue max	0.0500	PASS

12. Next procedural step

Item	Assessment
Classification	Research-only
Decision	Requires controlled development before validation.

13. Limitations

Mandatory release limitations:

- Synthetic research scenario; no client result or strategy-validation claim.
- Transaction costs, capacity and execution were not tested.

Study limitations and general caveats:

- A statistically detectable historical relationship is not sufficient for a profitable strategy: transaction costs, capacity, and execution can erase an apparent effect.
- Multiple testing across declared analyses inflates the chance of a spurious result; multiplicity corrections and the retained search space must be considered together.
- Findings are conditional on the data window and universe studied and may not generalise to other regimes or instruments.

14. Compact appendix

Disclaimer

Validraft delivers descriptive analysis of historical data, not investment advice and not a recommendation to trade. Past simulated performance does not guarantee future results.