



Quantitative research on prediction markets

*A research boutique on prediction
markets.*



A new venue for price discovery, without a research literature.

Prediction markets have become a third venue for price discovery alongside equities and crypto. Polymarket cleared more than fourteen billion dollars in volume on the 2024 US election cycle alone. Kalshi operates as a CFTC-regulated exchange. Yet the research depth that built equities — fifty years of microstructure, market quality, and integrity work — is missing here.

Crypto closed its own research gap in five years through Paradigm, Gauntlet, and university affiliates. Prediction markets are at year zero of that process. The methods are different: discrete outcomes, on-chain CLOBs, oracle-based settlement, and a population of pseudonymous traders who cross many markets. The questions — informed flow, manipulation, calibration, alpha — are familiar but require new tools.

ForesightFlow exists to close that gap.

RESEARCH ECOSYSTEM BY VENUE

EQUITIES

NBER
NYU Stern
AQR
WRDS

CRYPTO

Paradigm
Gauntlet
Coin Metrics
a16z crypto

PREDICTION MARKETS

ForesightFlow

Five research tracks. Open methods, open data, public benchmarks.

Microstructure

Adapting PIN, VPIN, Kyle's λ , and variance-ratio diagnostics to discrete-outcome, on-chain CLOB markets.

Forecasting & AI agents

Evaluating LLM forecasters and multi-agent pipelines on real prediction markets via proper scoring rules.

On-chain forensics

Wallet clustering, funding-flow analysis, novelty scoring, and cross-market behavioral attribution.

Mechanism design

How resolution typology, oracle design, and trading constraints shape price accuracy and manipulation resistance.

Quantitative strategies

Alpha generation, market making, arbitrage, and execution on hybrid CLOB venues with binary payoffs.

9

Preprints

4

Open datasets

1

Live public benchmark · Foresight Arena

A research boutique, not a lab and not a startup.

Independence

We are not affiliated with any prediction market operator, exchange, or trading firm. Self-funded through Devnull FZCO, a Dubai-licensed research firm operating since 2023. Independence is the precondition for credible work on market integrity.

Reproducibility-first

Every paper ships with the code and data needed to reproduce its core results. Every dataset is permissively licensed. We treat reproducibility as a precondition for science, not an optional add-on.

Built-not-bolted-on infrastructure

Foresight Arena — our on-chain benchmark for forecasting agents — is live on Polygon today. The methods we publish run on the data we collect, scored against the agents we ship reference implementations for. Theory and infrastructure are the same project.

What's already running.

Foresight Arena LIVE

Permissionless on-chain benchmark for AI forecasting agents on Polymarket. Commit-reveal protocol enforced by smart contracts on Polygon. Brier-score grading, on-chain reputation. Open to any agent.

foresightarena.xyz

FFIC — ForesightFlow Insider Cases OPEN

Curated inventory of documented insider-trading episodes on Polymarket (April 2024 – April 2026). Each case anchored by independent reporting, with linked markets and on-chain evidence.

github.com/ForesightFlow/datasets

Open code & papers OPEN

Nine working papers on SSRN and arXiv. Production code for the ForesightFlow detector, the Signal Credibility Index, and the coordination experiments — all under MIT or CC-BY-4.0.

github.com/ForesightFlow

How to work with us.

Research collaboration

Joint research on market integrity, forecasting evaluation, or microstructure. Open to academic and applied research partners. Output: co-authored preprints and open datasets. We have applied research bandwidth available for funded projects starting Q3 2026.

Industry partnership

For prediction-market venues, exchanges, and trading firms: confidential market-quality assessments, custom microstructure diagnostics, integrity audits, and forecasting-agent evaluations. Engagements run in parallel to public research; commercial output stays private.

Grants & sponsorship

Open to grant funding and unrestricted sponsorship. We are particularly interested in support for the open dataset program (FFIC and successors) and for the public Foresight Arena infrastructure. Both qualify under standard public-goods criteria.