EquiLend Financing Models – Technical Reference

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Model Catalog

Short-Interest Momentum (SIM)

Detects accelerating short build-up via daily change in shares on loan and borrow fees. Inputs: ΔOn-Loan Qty, ΔFee.

See notebook for code implementation.

Borrow Cost Shock (BCS)

Flags sudden scarcity events: 1-day fee spike vs 30-day σ.

See notebook for code implementation.

Utilisation Persistence (UPI)

Persistent tight supply signalled by 20-day average utilisation.

See notebook for code implementation.

Fee Trend Z-Score (FTZ)

Under-the-radar fee drifts: 20-day fee slope vs historical σ.

See notebook for code implementation.

Locate Proxy Factor (LPF)

Re-Rate Ratio and B2B loans proxy locate demand.

See notebook for code implementation.

Days-To-Cover Z (DTC\_z)

Short-covering pressure: short interest ÷ ADV, z-scored.

See notebook for code implementation.

Borrow-CDS Basis

Credit-equity dislocation using EquiLend fee and ICE OAS (FRED).

See notebook for code implementation.

Options Skew Divergence

Fee/Util vs CBOE SKEW mis-pricing.

See notebook for code implementation.

ETF Flow Pressure

Arbitrage strain from ΔSharesOut (TradingView) and lendable supply.

See notebook for code implementation.

Macro Liquidity Stress

Systemic overlay using STLFSI2 (FRED).

See notebook for code implementation.

ESG Constraint Gauge

Supply limits from ESG ratings / lender restrictions.

See notebook for code implementation.

Crowd Buzz Pulse

Retail-driven activity via Reddit/X mention velocity.

See notebook for code implementation.

Insider Lock-up Monitor

Float expansion risk from upcoming unlocks and Form-4s.

See notebook for code implementation.

TRS / Swap Migration

Hidden synthetic shorts via EU SFTR swap notionals.

See notebook for code implementation.

Short-Sale Tick Violation

Forced buy-in likelihood from FINRA short-sale volume ratio.

See notebook for code implementation.

ThematicAndSectorDeepDives

Crowded thematic/sector trades narrative inflection analysis.

See notebook for code implementation.

CorporateAndMarketEventsAnalysis

Borrow metrics around corporate/macro events.

See notebook for code implementation.

Enhanced Short Squeeze Prediction (SSR v4)

SSR v3 plus Reddit buzz z-score & uptick violation flag.

See notebook for code implementation.

Cost Of Borrow Sentiment Indicator

Borrow-fee term-structure vs FRED OAS curve.

See notebook for code implementation.

Cross-Asset Sentiment Aggregation

Holistic sentiment: Fee, OAS, SKEW, FINRA volumes.

See notebook for code implementation.