BMLL Daily Analytics

Historical Time-Series Analytics Derived from BMLL Level 3 Data

bmlltech.com

BMLL Daily Analytics provide the most granular historical (T+1) view of the market whilst removing the need for firms to capture, process and store full-depth order book data.

CHOOSING DAILY ANALYTICS FROM THE HISTORICAL LEVEL 3 DATA SPECIALIST

BMLL Daily Analytics are derived from BMLL Level 3 Data. As the T+1 Level 3 Data provider, BMLL has industry-leading normalisation and harmonisation data engineering processes. Traders, quants and researchers gain the cleanest order book data available anywhere in the capital markets.

BMLL DAILY ANALYTICS SUPPORT A BROAD RANGE OF USE CASES

Market quality

Compare venue quality across fragmented markets to optimise smart order routers and assess regulatory change

Venue performance

Understand venue liquidity over time to develop compliance models execution algorithms or to benchmark and compare exchanges

Market microstructure

Understand how the market truly behaves to develop market surveillance models or generate new sources of alpha

BMLL DAILY ANALYTICS PROVIDE A COMPLETE VIEW OF THE MARKET

- All analytics derived from the Level 3 order book
- Coverage includes all major equity markets across Europe, the Americas and Asia
- Time series analytics available at a daily frequency
- Analytics available from 2016 (venue dependent)
- All daily analytics are via API/SFTP

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THE BMLL FULLY MANAGED DATA COLLECTION AND CURATION PROCESS

Data Collection → **Data Curation** → **Data Harmonisation** → **Analytics Generation**

Venues and licenses

- 3 separate licenses per venue

- Dedicated headcount to data sourcing and legal & commercial discussions

Daily data processing

- Reference data & complex venue/security mapping framework

- Each venue's unique fields mapped to the data schema

Data maintenance

- Consistent and robust data testing approach

Data harmonisation logic layer

- Unique harmonised data schema across all venues

Analytics Generation

- Harmonised data and reference mapping allow for easy analytics computation across all venues at the millisecond level

- 30bn data points in BMLL API suite derived from Level 3 Data

- 4 market-leading APIs delivering analytics Data Quality Checks

Data Quality Checks | **Documentation** | **Features & Issues Feedback Loop**

Users can select over 300 analytics from 14 metric groups, or choose from our most popular metric bundles.

Bundles	Metrics	Use Case
Liquidity Analytics	• Liquidity Cost • Liquidity Around BBO • Liquidity Classification	• Buy-side - Improve execution and transaction cost analysis using a consistent view of pricing across fragmented markets • Sell-side - Optimise execution algorithms by understanding pre and post-trade liquidity • Exchanges - Compare your liquidity against peers to understand how your market performs
Order Lifecycle	• Order Fill Behaviour • Order Placement Statistics • Execution Market Impact	• Buy-side - Better understand market microstructure to generate new sources of alpha • Sell-side - Optimise smart order routing decisions and client communications by understanding order book characteristics • Surveillance - Contextualise order and trade behaviour by understanding market dynamics
Venue Quality	• Trade Quality • Volatility • Spread Metrics • Venue Price Quality	• Sell-side - Optimise smart order routers by comparing market behaviour across different exchanges • Exchanges - Improve order book liquidity provision with peer venue analyses
Prices & Volumes	• Trade Prices • OHLC Bars	• Buy-side - Backtest models using trades and quotes data, derived from BMLL Level 3 Data
Auction Analytics	• Auction Dislocation • Auction Order Imbalance	• Buy-side - Build a complete picture of the auction to better inform your traders • Sell-side - Optimise your algorithms to utilise the auction and continuous trading periods • Regulators - Understand auctions dynamics and their evolution to inform policy changes

BMLL INTRADAY ANALYTICS ARE AVAILABLE VIA API and SFTP

British Assessment Bureau UKAS MANAGEMENT SYSTEMS 8289 ISO 27001 INFORMATION SECURITY MANAGEMENT

aws PARTNER Financial Software Competency | aws PARTNER ML Software Competency | aws PARTNER Data & Analytics Software Competency

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