BMLL Intraday Analytics

Historical Time-Series Analytics Derived from BMLL Level 3 Data

bmlltech.com

BMLL Intraday 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 INTRADAY 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 INTRADAY 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 INTRADAY 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 1-minute and 30-minute frequencies
- 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 • Depth Liquidity	• Buy-side - Examine a consistent view of pricing across fragmented markets for execution and transaction cost analysis • Sell-side - Benchmark the price of orders to prove best execution for clients • Exchanges - Compare the performance of a market against a regional aggregate
Order Lifecycle	• Order Placement Statistics	• Buy-side - Evaluate how orders interact with available liquidity • Sell-side - Optimise smart order routing decisions and client communications by understanding order book characteristics • Exchanges - Assess liquidity provider performance
Venue Quality	• Spread Metrics	• Buy-side - Assess and improve the venue selection process • Sell-side - Optimise smart order routing decisions to take advantage of the best price and liquidity available • Exchanges - Improve order book liquidity provision
Prices & Volumes	• Trade Prices • OHLC Bars	• Buy-side - Analyse the execution and liquidity profile for a single stock or portfolio • Sell-side - Manage the liquidity and execution profile for any watchlist or client order • Exchanges - Understand liquidity provision in your order book to attract more flow

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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