

Data Use Cases

Exchanges & Trading venues

H1 2020

Drive volume, yield and market share through data & analytics driven insights



Our data and analytics will make you stand out in an increasingly competitive, multi-venue market.

Enhance your workflows with our granular data and ML capabilities to critically analyse your venue and make informed policy decisions. Optimise your pricing & fee structures for providers & takers of liquidity, driving yield. Develop new products to optimise trading volume. Monitor market share developments across metrics your clients care about. Enhance your data products, delivering value to your clients.

Pricing & fee optimisation

- Combine public L3 data with private fee structure data and analyse how pricing impacts liquidity provider trading performance
- Simulate pricing optimisation using BMLL's market leading simulator

Implicit cost of trading

- Understand your true cost of trading vs. peers by analyzing granular L3 data to identify real liquidity
- Leverage the power of full order book data designed for effortless query & interrogation

Competition benchmarking

- Leverage full depth order book data to track market share & competition across meaningful metrics
- Define the metrics that matter to your venue, derived from the granular L3 order book and compare across venues

Informed policy decisions

- Quantitatively assess each decision and its impact on venue dynamics
- Assess the explicit and implicit impact on liquidity provision, cost to trade and yield before implementing

New product development

- Identify new product opportunities to drive volume, market share and yield
- Simulate potential volume uptake to enhance pricing and yield generation

Value-add client reporting

- Drive flow to your venue through delivering market quality metrics to liquidity providers on their performance
- Drive yield with corporates with granular stock metric reports

Examples in following slides

Optimise pricing structures | Combine BMLL's L3 data with private venue data to analyse how pricing impacts liquidity provision across the book

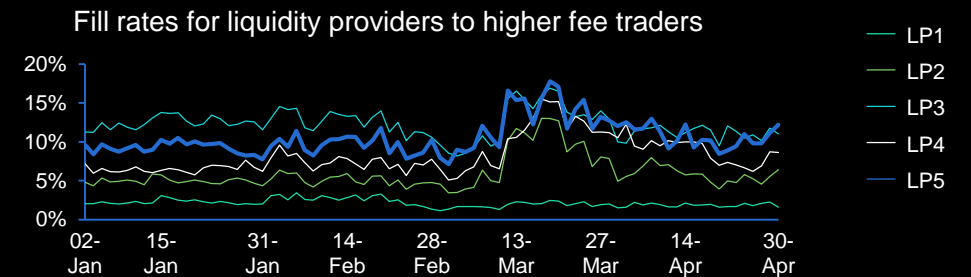
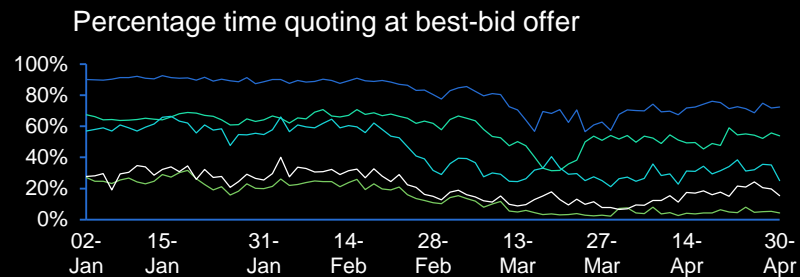


Leveraging anonymised liquidity provider data and full L3 order book, monitor the performance of key market makers against metrics that matter (e.g. time quoting at best-bid offer & fill rates), combine those data with your pricing structures to identify opportunities to reprice underperforming traders

Leverage latest AI/ML techniques to simulate impact of repricing and continuously monitor and improve fee structures



Optimise pricing structures to drive yield



Benchmark the “true” cost of trading



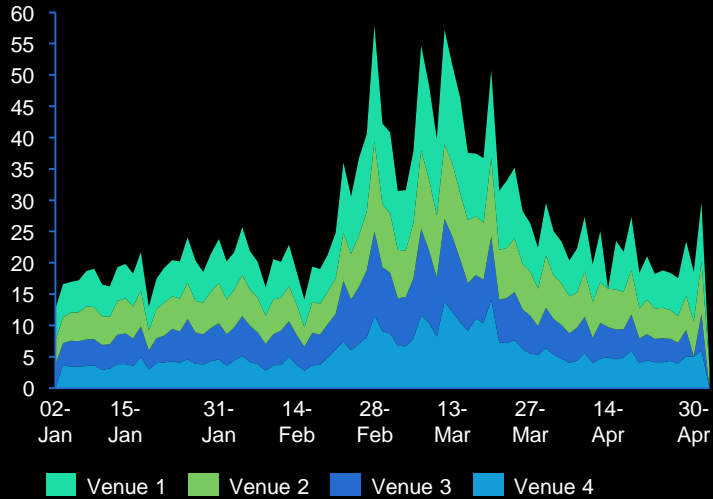
Analyse implicit cost of trading | Leverage full depth order book to analyse the “true”/ implicit cost of trading size on your venue vs. peers

Identify key blockers to liquidity (e.g. Iceberg orders) and their impact on the true cost of trading size on your venue. Drive flow to venues’ different products by benchmarking implicit cost against peers. Analyse the impact of stressed market situations on cost of trading, simulate the impact of longer term structural changes.

Programmatically simulate the impact of structural market change on implicit cost of trading for your venue



Notional volume traded (Lit) by venue (\$bn)



Drive volumes | Analyse volume market share by product across key competitive venues

Understand how your venue and products compare across competitive venues and monitor uptick in rivals' competitive product development. Understand the key drivers of liquidity provision on each venue and highlight outperformance to traders.

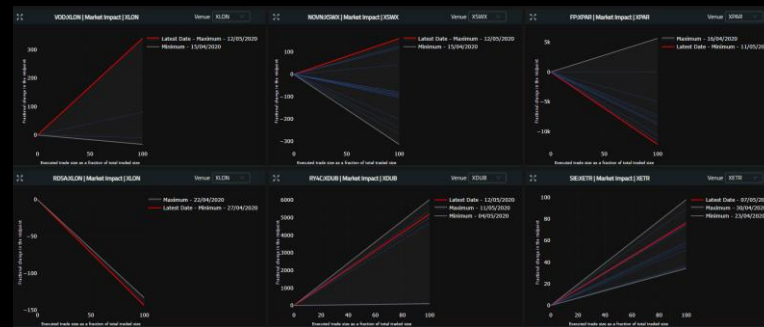
Detailed list of exchange specific metrics measuring volumes, continuous and auction trading and by product (e.g. market at close, Lit vs. Dark pools)



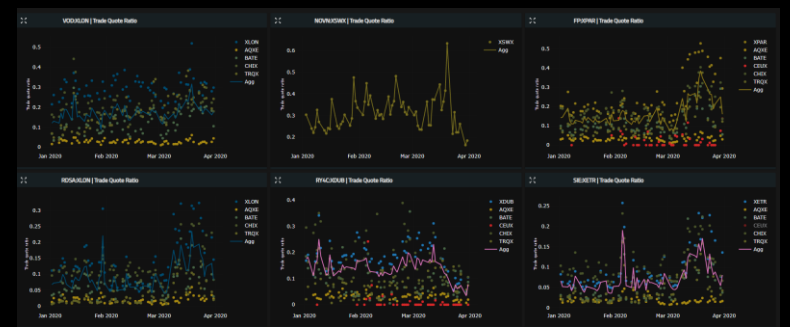
Measure the quality of execution | Benchmark the market quality metrics most relevant to your venue and identify ways to improve metrics, monitor these metrics over time

Systematically analyse the competitive landscape, enhance market quality analysis through granular L3 order book data delivering insight on metrics traders care about (e.g. trade/quote ratio and market impact). Drive flow through highlighting outperformance of certain metrics, internalize where performance lags peers as drivers of change.

30 day market impact analysis for 6 European listings

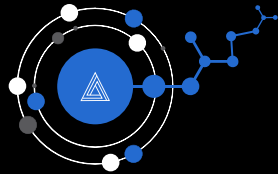


6 month trade/quote ratios for 6 European listings



Competitive benchmarking

Ultimate choice | We offer 3 delivery mechanisms for our data & analytics tailored to your needs



BMLL Data Feed

API & FTP delivery of the data

- The power of the LAB in a derived data feed. Data & analytics fed directly from our Platform to your systems delivering you insights you trust
- Consume the data and analytics that informs better decisions delivered directly to production systems
- Focus on the decision making not the feature engineering
- Available via API and SFTP



BMLL Data Lab

Scalable python research sandbox

- The weapon of choice for sophisticated quants & researchers seeking alpha and actionable insight through direct access to the BMLL Platform & Data Lake
- Shorten your time to insight with our scalable platform, reducing time spent waiting for analysis to run
- Scale your research deploying clusters of nodes and schedule your output to run at will
- Delivered via fully customizable Jupyter lab python environment



BMLL Data Viz

Visual components for white-labelling

- Data & analytics with a visual punch. Showcase actionable insight and analytics to your clients, in your systems, powered by our Platform and Data Lake
- Deploy white-labelled visuals that showcase your capabilities to your clients and management
- Delivered either as built-in widgets and components into existing workflows or as standalone dashboards



[Get in touch for specs](#)



[Get in touch for specs](#)



[Get in touch for specs](#)

Next Steps | Journey to BMLL's data and analytics



Initial scoping discussions (1-2 weeks)

Understanding your needs

- Use case suitability assessment
- Product need mapping

Initial technical requirements

- Research and data on boarding processes
- Data delivery preferences discovery

Detailed documentation

- Access to all required documentation

Initial trial period (4 weeks)

Free access to most relevant product

- Test your conviction and understand the opportunity more clearly

Ongoing support from BMLL technical team

- Support from our sales and data science team

Proof of Concept (1-3 months)

Full PoC onboarding onto relevant product

- Technical delivery mechanisms implemented
- Cloud usage allowances and frequencies tailored

Dedicated technical support

- Support from our sales and data science team

Extension of product usage and users as required

- Implement workflows and test production output to ensure alignment in operational outcomes

Ongoing contract (12-18 months)

Full onboarding onto relevant product

- Expanded data and analytics access based on needs technical delivery mechanisms
- Cloud usage allowances aligned with enterprise production requirements

Dedicated technical support

- Our world class support and data science team will be there every step of the way making sure you succeed

Continuously monitor and evaluate business drivers and outcomes

- Ensuring customer success in any implementation or enterprise agreement is of the utmost importance to us. When you succeed, we succeed and we strive grow together with our clients

Get in touch to find out more



To find out more about how our data and analytics solutions can help you please get in touch with us at info@bmlitech.com



Connect via LinkedIn <https://www.linkedin.com/company/bmlitech>



Follow us on Twitter: <https://twitter.com/bmlitech>