Market Structure Reformer, Risk Strategist, FinTech Innovator, and More

Everybody talks about market problems or regulatory burden, but not just anyone can come up with a suite of patented solutions to make the best of every situation. Marvel at our ability to solve the industry's toughest challenges. It is about: the industry nuances, market design and economics, as well as the enabling technologies to make a positive difference. At Data Boiler, we see big to continuously boil down the essential improvements that fit for your purpose.

#	Capabilities/ Value Propositions	Benefits/ Problems Addressed	Potential Users/ Targeted Markets
1	Efficient data streaming with higher compression + time-lock encryption	Reduce market data cost and address latency/ aggregation distance issues.	10Gb/ SIP feed data subscribers who cannot afford the fastest prop-feeds but wanted a 25/40Gb experience.
2	No/ low-code aggregate/ decompose data across markets/ asset classes	Slash time handling data roll-up/ drill down requests, rapid development.	Front office of broker-dealers whom like 'WYSIWYG' rather than wait and depend on IT support.
3	Demand/ supply imbalance tracking without full-depth data subscription	Using replicated depth-of-Book curve saves money (users no longer need to subscribe to level III data; it does not require complex computation).	Current full-depth subscribers look to save cost; Level I/ II subscribers worry about missing out in market reform.
4	Faster pattern recognition (up to 50ms) with no increase in false ± (a good decision, made now & pursued aggressively, is superior than a perfect decision made too late)	Deep learning and sophisticated models to analyze data in 'vault' take forever to generate results, drain resources (needle in haystack), and often is too late to help in a situation.	Those frustrated with failed A.I./ML, golden source data 'vault' projects that dragged on for too long; look for some 'quick-wins' – be it identifying toxic order flows or other use cases.
5	More intuitive trade terminal to edit/ create algorithms	Enable average investors/ non-quant to compose algo with no/ low-code.	High-touch firms look to migrate to electronic trading but rather equip traders to become quants than train quants to understand the market.
6	Library of "lessons learned" to foster back-test/ market simulation, and invigorate the 'crowds' to configure 'what-if' scenarios intuitively without the expensive and hard to learn tools	A platform for anyone to derive new Algos, discovers unknowns, and discerns bad actor versus someone requiring protection (better than silos seating remotely from a situation).	Firms may be able to retain full-time PhD modelers, yet empowered to create mock-up scenarios quickly, therefore be more nimble & effective to capture market opportunities.
7	Early warning detection + curb gaming of controls and/or conflicts; Compliance dashboard to track and review trade irregularities	Instead of after-the-fact salvages of loss, adjusts daily limits/ model, this system enables pro-active risk and compliance controls in real-time.	Firms fear of regulatory fine/ scrutiny seek to improve risk and compliance capabilities (indeed, this is the only way to properly do trade controls).
8	Post quotes and potentially match trades to become a trading venue, an Internalizer/ outsourced trade execution firm or ECN platform	Deepen market liquidity through extended infrastructure connections and microstructure enhancements globally; bring competition against dominated players in selected space.	Wherever the overall pie can be grown and provide a bigger piece for the constituents, they would pay for connecting new pipes or re-pipe to reach critical mass/ new equilibrium.
9	Copyright royalty system as a unified mechanism to delineate rights and obligations for all constituents in the industry value chain	ODRL merely standardize, automate a machine-readable way of describing data licenses. It won't solve the 'who owns the data' question, but we will.	Disrupt the 'animal farm' phenomena where rebates and other misaligned incentives allure the elites to exploit in an unfair market structure.

MARKET STRUCTURE

https://bit.ly/3PVvJmm

DIGITAL ASSETS

https://bit.ly/3RANVmg

RISK & COMPLIANCE

https://bit.ly/3LFu8yt

BIG DATA | CYBERSECURITY

https://www.databoiler.com/index_htm_files/DataBoilerInMotion.pdf

ABOUT US

https://www.databoiler.com/about%20us.htm

212° DATA BOILER
TECHNOLOGIES, LLC

Kelvin To
Founder and President
Office : 617.237.6111
Mobile: 617.309.7119
kelvin.to@databoiler.com

https://www.linkedin.com/in/kelvin-to-9125955

Boil the ocean of financial data and technologies, visualize opportunities, mitigate risks, improve operations efficiency

© Data Boiler Technologies, LLC