



Automate Real-Time Reporting for High-Frequency Transactions

Challenge

- Reporting requires ETL and complex data prep
 - Leveraging many data sources
- Data analysts build non-IT-supported solutions
 - Run on analyst-supported prod servers
 - Custom tools, including custom code
- Analysts burn capacity to support infrastructure
 - Creates technical debt
- Stability of reporting is high-risk
 - Analyst turnover will cause big problems

Solution

- Users of all skills to collaborate on a single platform:
 - Data professionals, analysts, & data scientists
 - Driving collaboration and standardization
 - Lowering TCO
- Approved process automated on Server
 - High frequency reporting for brokerage
 - Process monitoring and governance
 - Results exposed through Tableau

Impact

- Low barrier to create new reports and models
- Standardized process:
 - Streamlines employee onboarding
 - Reduces downtime with turnover
 - Reduces technical debt
- Centralized, governed, and portable repository
 - For code and processes
 - Includes searchable metadata
 - Data analysts manage easy maintenance
- Management: greater visibility into data and the work

Problem type: Automation & data integration

Universal relevance: Up to 80% of a data scientist's time can be spent on data preparation. Custom-built data pipeline solutions are hard to maintain and creates organizational bottlenecks. Automating ETL and data prep builds a foundation for success and more advanced analytics projects.