

R Systems Digital: Your Partner For Augmented Data Management (ADM)

BUSINESS CHALLENGES

Companies rely on data to maintain competitive advantage; it is critical that the data is accurate & trustworthy. Businesses lose millions of dollars each year due to bad data, and it's not getting the diligence it deserves. Enterprise data is usually distributed across several source information systems and is maintained by different BUs/departments. In most cases, these source systems are developed autonomously, therefore the data assets, quality of data cannot be tracked reliably, and complete global domain knowledge is not available. Such a heterogeneous scenario has several negative effects:

- Increased speed, volume & complexity of data
- Long lead times for data discovery & analysis due to labor-intensive profiling/rule identification process
- Very high volumes of false positive alerts
- Inability to resolve data quality issues in a timely manner
- Resource constraints limit/prioritize the scope & volume of data quality analysis
- Difficulty in understanding & monitoring of unstructured data
- Low inter-BU trust on data sets, so data assets are inaccurate
- Difficult to monitor data quality, centrally
- Traditional methods can't ever write enough rules to have an effective assessment of data quality

OFFERING OVERVIEW

Augmented Data Management/Data Quality at scale through Automated Analysis

- Algorithmic sampling of data to identify key rules/patterns
- Monitors and alerts for missing or inaccurate data
- Correlating data concepts across domains & data sources to track usage and establish lineage
- Ability to ingest & apply quality rules to 3rd party/ unstructured data sources
- Establish feedback loop that refines the ML models to improve data quality over time

KEY BENEFITS

ADM: USING AI/ML TO UNLOCK THE VALUE

Data Discovery will be **ML software**

Data Quality Assessments won't be traditional rule-based deterministic approach, instead be an **AI/ML & analytics-based** approach

DQ Assessments would be more accurate as it would be based on **real-world statistics**

Learning & Enablement of data quality keep getting **more accurate** over time, via ML

Responsiveness to **changes** in the data is more



AUTOMATION



ACCELERATION

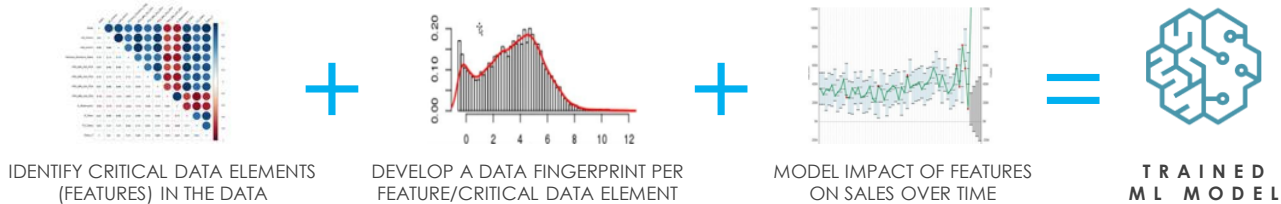


INSIGHTS

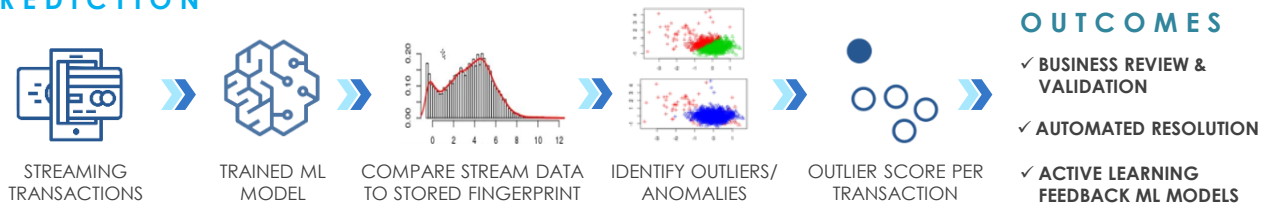
THE APPROACH

We are committed to keeping our clients at the leading edge of augmented data management. Our deep technical & scientific expertise with business know-how to create unique solution assets such as predictive monitoring approaches and knowledge discovery tools. Our AI/ML practitioners work with our industry specialists to develop DQ provisioning models, frameworks and estimating tools. And our technology experts steadily refine our delivery approaches, continually develops & enhances its best practices, approaches & assets to deliver the most effective Augmented data management for our clients.

TRAINING



PREDICTION



TRADITIONAL VS MODERN DQ



Data is going to be everywhere & the ability to make decisions quickly on that data is going to depend on its reliability, and if it isn't reliable, people will end up making mistakes, so having a data reliability platform is just such a natural part of the software stack & the evolution of where orgs are going.

We Will Get You Started!

R Systems is the partner of choice for companies wanting to maximize the value of their business information/data. If you'd like to know more on how we can help raise the quality of your data with **augmented data quality management**, contact **Ajay**:

R SYSTEMS is a global digital transformation leader providing AI-driven solutions to clients across industries, via a wide range of technology, AI/ML & analytics services.

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