



Intelligence at Mastech InfoTrellis:

Data Quality Intelligence

Scale Enterprise Data Quality initiatives with AI-powered automation to meet the needs of a modern data-driven Enterprise. Apply Statistical Process Control and AI-Bots to manage data quality processes and minimize defects.

How It Works



DQM 2.0 -

- Identify and map a data quality issue and construct a "data quality process"
- Implement, monitor and report on SPC measures around the process
- Implement data lineage and manual intervention



DQM 3.0 -

- Construct ML-driven "data quality bots" (DQ-Bots) as a managed service
- Proliferate DQ-bots across multiple processes



DQM 4.0 -

- Consolidate and manage Enterprise DQ-Bots with an MIT Center of Excellence (COE)

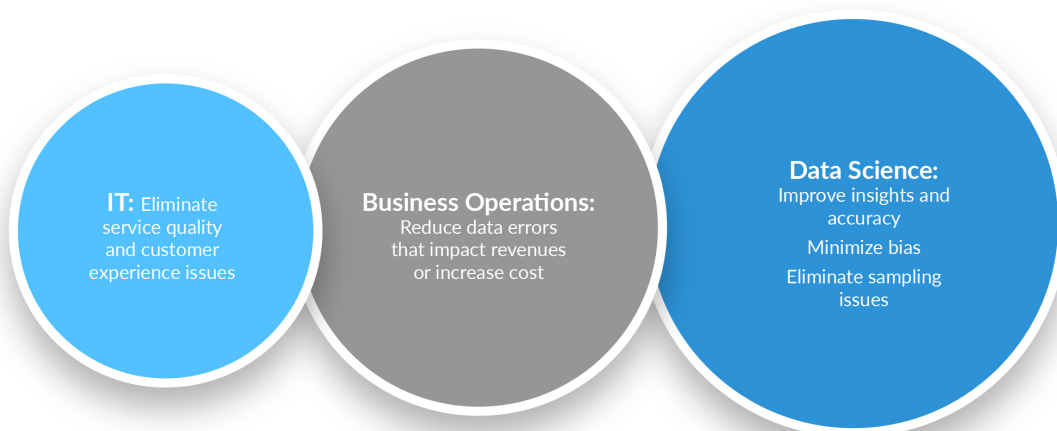
Mastech InfoTrellis Data Quality Intelligence (MIT DQi) evolves existing Enterprise Data quality initiatives to meet the needs of a modern data-driven Enterprise. The unbridled growth of data and the complexity of data-driven applications has led to an exponential cost-curve that can only be scaled through AI-powered automation. MIT defines three Data Quality Management (DQM) stages in building an Enterprise framework for AI-powered Data Quality.

DQM 2.0 - Individual "data quality processes" are studied using a statistical process control (SPC) framework to rigorously quantify the impact of data quality issues in a pipeline.

DQM 3.0 - ML-driven "bots" are developed to manage data quality issues through automation throughout the Enterprise on a rolling schedule, based on incremental business value.

DQM 4.0 The task of managing a swarm of data quality bots across the Enterprise is consolidated and normalized as part of a central MIT Center of Excellence (COE).

MIT helps clients get started in three domains: IT Operations, Business Operations and Data Science. These offerings are designed to achieve DQM 2.0 readiness in identified data pipelines with known quality issues (10-14 weeks, \$250K - \$350K).



Power the Data Driven Enterprise with Mastech InfoTrellis Intelligence Services.

Pioneers in Data Quality automation | Award-winning data science practitioners with deep industry domain expertise | Teams of PhDs and subject matter experts from Data, to Signals, to Explainable AI | 300+ AI/ML deployments in multiple industries.