



BridgeData

LLM-Powered Data Mapping Accelerator

Transform data mapping from months of manual work to automated, intelligent integration in days. BridgeData leverages LLMs, metadata, and sample data to automate source-to-target column mapping, drastically reducing manual effort, improving accuracy, and accelerating data integration and migration projects.

The Business Challenge

Traditional data mapping creates critical bottlenecks in enterprise data initiatives:

Manual and time-consuming:

Data teams spend excessive time on mapping rather than value-creation

Error-prone:

High susceptibility to human errors and inconsistencies delay projects

Fails to scale:

Cannot handle large volumes and diverse data formats efficiently

High maintenance:

Dynamic data environments require constant manual updates



How BridgeData Solves This



Enhanced Schema Matching

Finds semantic correspondences beyond syntactic similarity, understanding context and domain-specific terminology (e.g., "Zip" to "ZipCode")



Transformation Logic Generation

Generates executable SQL and Python code for date conversions, string manipulations, aggregations, and complex business rules



Intelligent Data Foundation

Leverages technical and business metadata plus sample data for pattern recognition and quality assessment



Proactive Data Cleansing

Identifies quality issues and suggests imputation strategies, standardization rules, and outlier handling

Quantifiable Business Benefits



Efficiency Gains & Cost Reduction:

- Automated mapping cuts manual effort
- Lower operational costs
- Faster project delivery, freeing experts for higher-value work



Data Accuracy & Quality

- Consistent, error-free mappings
- Improved validation using metadata + sample data
- Higher trust in downstream analytics



Scalability & Adaptability

- Handles large, complex datasets
- Adapts automatically to schema or source changes
- Supports diverse formats and high-growth environments



Governance & Compliance

- End-to-end data lineage visibility
- Built-in controls for GDPR, CCPA, HIPAA
- Ensures traceable, governed data pipelines

Enterprise Deployment Scenarios

Large-Scale Data Migration & Integration

Automates field matching and transformation definition; reduces errors and scales for massive volumes

Real-time Data Synchronization

Enables dynamic mapping adaptation to schema changes; ensures accurate, immediate data translation

Complex Data Consolidation

Harmonizes columns from numerous sources into unified schema with intelligent cleansing

Industry-Specific Applications



Healthcare

EHR/EMR interoperability, terminology mapping, HIPAA/GDPR compliance



Financial Services

Regulatory compliance, Customer 360 view, fraud detection



Manufacturing

Integrates heterogeneous ERPs, adapts to dynamic requirements



Retail & E-commerce

Product catalog integration, unified Customer 360 view

Why Encora BridgeData

Only Pre-Built LLM Solution

- LLM-powered semantic intelligence unavailable from competitors
- Pre-built accelerator vs. months of custom development
- Proven productivity gains with quantified ROI
- Only provider with complete pre-built agentic data solution portfolio

Faster Time-to-Value

- Comprehensive trust framework for quality, governance, compliance
- Faster deployment compared to consulting-heavy approaches
- Everest Group Leader for D&AI Services

Accelerated Migration Factory

BridgeData is a core component of Encora's Migration Factory Toolkit, which combines AI agents, automation scripts, and infrastructure tools with Encora AIVA™. This integrated approach delivers data harmonization, cleansing, anomaly detection, and optimization for faster, more reliable enterprise migrations.

Part of Encora's Data Agents Ecosystem

BridgeData integrates seamlessly with Encora's complete AI-powered data solution portfolio, delivering up to 50% productivity gains and accelerating data initiatives by months when combined with TrustIQ (maturity assessment), QualifyData (data quality automation), ProbeData (synthetic data generator), ModernizeBI (BI migration), and ProductizeData (business glossary).

Ready to Transform Your Data Mapping?

→ [CONTACT US](#)