



ProbeData

AI-Powered Synthetic Data generation

Create realistic, privacy-compliant test data in minutes. ProbeData transforms real data into statistically accurate synthetic datasets that preserve patterns and relationships while eliminating privacy risks. It's ideal for testing, development, and secure data sharing.

The Business Challenge

Traditional test data creation creates critical barriers to development and compliance:

Privacy Risks

Using production data in non-production environments exposes sensitive information and creates compliance violations

Manual Data Creation

Weeks of manual data creation effort that fails to reflect real-world complexity

Statistical Inaccuracy

Mock data lacks realistic patterns, correlations, and distributions needed for meaningful testing

Data Sharing Barriers

Privacy concerns prevent sharing datasets with development teams, partners, or vendors



How ProbeData Solves This



AI-Powered Generation

Automatically analyzes data structure and generates statistically accurate synthetic datasets



Statistical Fidelity

Preserves statistical patterns and relationships from original data for realistic testing



Flexible Configuration

Customize generation rules per column-numeric ranges, text patterns, date boundaries, and categorical distributions with exact percentages



Field Logic Preservation

Maintains calculated fields, aggregations, filters, and business rules without manual recreation



Privacy-Safe Design

Completely artificial data with no real personal information for full compliance



Scalable Generation

Generate from 100 to 5 million records instantly with vectorized engine

Business Benefits



Development Velocity

- Minutes to generate vs. weeks of manual creation
- Immediate data availability for development cycles
- Reduced operational costs from test data management



Privacy & Compliance

- Zero privacy risk with completely artificial data
- Safe for sharing with partners, vendors, and offshore teams
- Compliance-ready for regulated industries



Data Quality

- Statistically accurate patterns matching original data
- Realistic edge cases and data distributions
- Maintains data relationships

Why Encora ProbeData

Pre-Built AI-Powered Solution

- AI-driven generation unavailable from competitors
- Pre-built platform vs. months of custom development
- Only provider with complete pre-built agentic data solution portfolio

Faster Time-to-Value

- Generate in minutes vs. weeks for manual creation
- Instant scalability from 100 to 5 million records
- Everest Group Leader for D&AI Services

How ProbeData Works

Simple, intuitive workflow makes synthetic data generation accessible for all users.



Upload Data

Drag and drop CSV, Excel, or JSON files up to 100 megabytes



Auto-Analysis

ProbeData automatically analyzes structure and identifies data types



Configure Rules

Customize generation rules—numeric ranges, text patterns, date boundaries, categorical distributions



Generate

Choose from 100 to 5 million synthetic rows and generate data in moments



Validate

Review comprehensive quality metrics - statistical comparisons, feasibility scores, accuracy indicators



Export

Download in CSV, JSON, or Excel format

Industry Use Cases



Healthcare

Synthetic patient records for testing while maintaining HIPAA compliance



Financial Services

Transaction data generation for fraud detection testing and regulatory compliance



Retail

Policy and claims datasets for actuarial modeling and system testing



Retail & E-commerce

Synthetic customer and transaction data for personalization testing



Part of Encora's Data Agents Ecosystem

ProbeData 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), BridgeData (LLM-powered mapping), ModernizeBI (BI migration), and EnGlossary (business glossary).

Ready to Get Started?

Generate realistic test data without privacy risks.

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