·d dotData

dotData helps AI-driven enterprises monetize their investment by accelerating and simplifying the data science project. From feature engineering to machine learning and operationalization, dotData empowers your team with a full-cycle AutoML and Data Science Automation platform that can accelerate your AI development lifecycle from months to days.
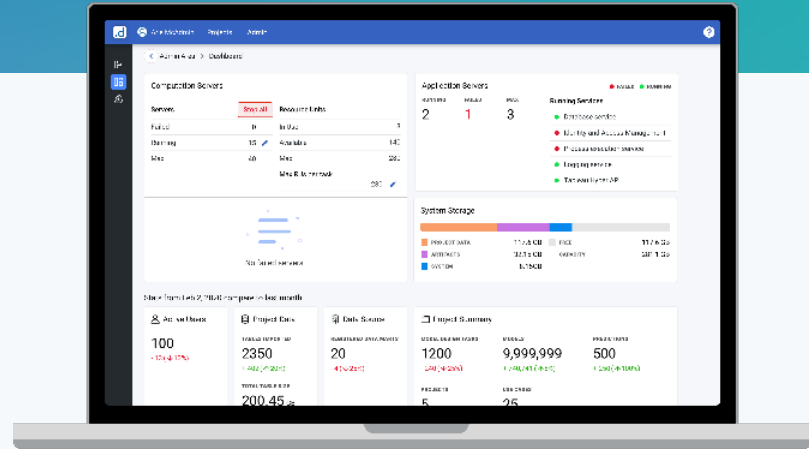
A dotData Fortune 50 client was able to replicate in three days, three full data science projects that had taken 5 months each to complete.

Manually: 5 months	dotData: 3 days

🚀 Accelerate

dotData helps enterprise organizations accelerate their adoption and monetization of Artificial Intelligence (AI) and machine learning (ML) projects. Our full-cycle data science automation platform helps your existing data science team deliver AI/ML projects and perform test- and-learn processes in days instead of months.

🧠 Democratize

Leverage dotData's full-cycle automation and empower your BI, data analysts, and engineers with executing data science projects to develop AI and ML models. Give your data science team the freedom and tools to focus on higher-ROI projects.

👥 Augment

dotData's AI-powered feature engineering explores millions of feature hypotheses from raw tables and delivers insights that would take months to discover. Augment the domain knowledge of your data science team and help deliver deeper business insights that go beyond mere predictions.

🔀 Operationalize

dotData generates production-ready feature-generating pipeline and ML scoring models and operationalizes them through APIs. Our API-based continuous deployment model lets you implement models with a single line of code, and lets you maintain workflows, retrain features, and ML models automatically.

Products

- dotData Enterprise
- dotData Py

Deployment Options

- On-premise AI cluster
- Private cloud on AWS or MS Azure

Interface

- No-code GUI
- Jupyter Notebook Compatible Library

Enterprise-Grade

dotData is an enterprise-grade platform that provides scalability, performance, and security that meets or exceeds organizational needs.

Flexible deployment options
dotData can be deployed behind the firewall or in a private cloud environment

Scalable performance
dotData employs scalable in-memory distributed computing to handle billions of records and tens or even hundreds of tables.

Continous model deployment
dotData APIs help you deploy & maintain pipelines in critical production environments automatically, helping you retrain models as accuracy decreases over time.

Hadoop ready
Install dotData as a service on your Hadoop clusters with full support for Hadoop security like Kerberos. It performs AI-powered feature engineering and AutoML in a distributed fashion.

Maximum model portability
dotData lets you move your feature and model pipelines from the lab into production with just a few clicks.

GUI or Python - ideal for each user
dotData can be deployed as a 100% point-and-click GUI-based platform, or integrated into Jupyter notebooks and any other Python environment.

Designed to fit your workflow

Automated Feature Engineering

dotData's AI-powered engine explores and generates millions of features for any use case using relational, transactional, temporal, geo-locational, or text data across multiple tables.

Full feature & model transparency

dotData provides business-friendly feature hypotheses through natural language and "blueprints." ML models provide transparent "evidence" scores, explaining the underlying factors behind predictions - even for non-linear models like Boosting or Neural Network.

Production-ready pipelines

dotData automatically generates the entire pipeline from raw business data through data and feature engineering to machine learning. dotData APIs let you integrate your pipeline into business systems quickly for rapid deployment.

Broad use-case support

dotData analyzes relational, transactional, temporal, geo-locational, and text data to help you solve the most advanced use cases.

Easy data connectivity

Connect directly to relational data sources and CSV files. dotData automatically profiles data and generates relevant metadata, discovers entity relationships.

Automatic data pre-processing & ETL

dotData performs data pre-processing to help with profiling, cleansing, missing value imputation, outlier filtering, and discovers complex relationships between tables.

State-of-the-art ML Algorithms

dotData automatically performs a hyper- parameter search of state-of-the-art ML algorithms like XGBoost, LightGBM, Random Forest, Support Vector Machine, TensorFlow, and PyTorch for accuracy to help you choose your preferred model.

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