Overview

AI has the potential to deliver unmatched economic value, but many organizations are challenged to consistently deliver returns on their AI investments. With the huge volume and variety of data being collected and the relatively small number of data scientists who are available to implement machine learning initiatives and drive advanced analytics, organizations need to find a more efficient way to turn raw data into usable information. In fact, experts spend up to 80% of their efforts on finding, cleaning, and shaping the data, rather than getting the real insights into business problems they need to solve.

MANAGE DATA TO VALUE END-TO-END IN ONE PLATFORM

With the seamless integration of DataRobot self-service data prep into the DataRobot AI platform, citizen data scientists can rapidly explore, clean, combine, and shape data for training and deploying machine learning models and production data pipelines to accelerate innovation with AI. Data science teams can collaborate, reuse, and share data sources, datasets, and recipes with full enterprise governance and security to ensure compliance with organizational policies.
Intuitive, Point-and-Click UI
Visually and interactively work with your full datasets in a familiar spreadsheet style view. Easily spot patterns in your data and assess data quality with visual cues.

Powerful Data Cleansing, Enrichment, and Shaping Capabilities
Use intuitive point-and-click actions to rapidly transform raw data, clean inconsistencies, populate missing values, and enrich features. Aggregate, deduplicate, and pivot data on the fly with no coding required.

Multi-user Project Development with Reusable Recipes and Collaboration
For training datasets that contain outliers or data segments that you are not interested in training for, use the SparkSQL transformation module in a pipeline to remove unwanted rows and publish a clean dataset to AI Catalog.
ACCELERATION THROUGH AI ASSISTANCE

Embedded AI and algorithms constantly assist the user throughout the data preparation process to make intelligent inferences and simplify complex data structures. Our AI assistance also provides guidance and recommendations for standardizing and enriching categorical variables and features.

Intelligent Variable Standardization

Visually and interactively work with your full datasets in a familiar spreadsheet style view. Easily spot patterns in your data and assess data quality with visual cues.

Intelligent Join Detection

Automatically detect exact or fuzzy single or multi-column join criteria to combine datasets for feature enrichment.

Intelligent Data Ingest

Automatically detect file types at ingestion time and intelligently flatten complex structures into tabular representations for learning dataset creation.

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Enterprise-Grade Data Prep

DataRobot Data Prep offers tight integration with the industry's first and most complete enterprise AI platform, empowering novice users to work on any size dataset, collaborate with data science team members and stakeholders on dataset preparation, and implement end-to-end governance to securely manage and track data transparency.

**Powered by Apache Spark™ for Big Data**
Interactively view, explore, shape, and standardize variables and features on full data volumes – not just arbitrarily small data samples.

**Intelligent Automation for Production Data Pipelines**
Automate and schedule data prep projects to run on regular intervals with automatic detection and inclusion of preceding data prep steps to create an entire data flow.

**Full Data Lineage**
Automatically record data preparation steps for data lineage tracking, project steps reuse, and explainability of the entire data preparation process.

Jump-Start Your AI Journey Today

Request a Demo: datarobot.com/request-a-demo

Start Free Trial: datarobot.com/trial

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