

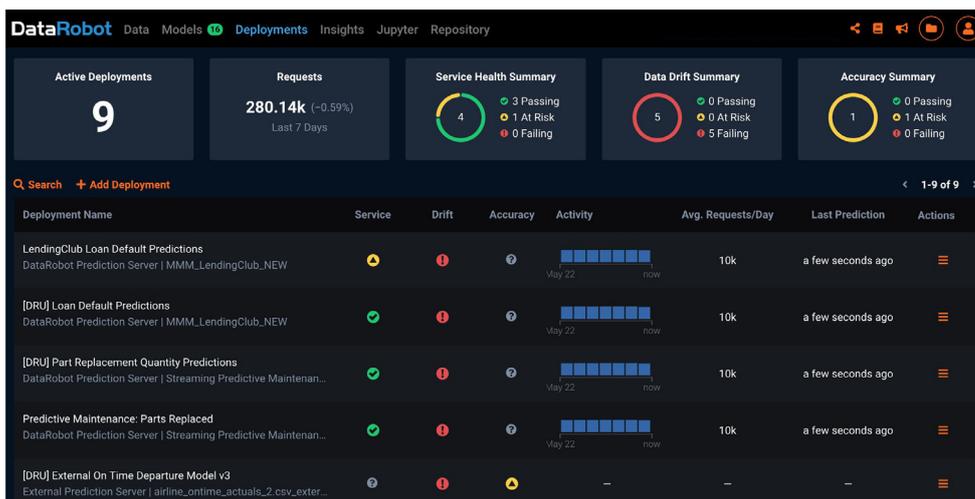
DataRobot MLOps

Overview

AI and machine learning projects should be driving the future of your business. Many companies, however, can't take full advantage of data science investments. These organizations lack the skills and resources to deploy, manage, and govern machine learning in production. Moreover, the results of attempting to use AI models without proper monitoring and controls can be catastrophic, including lost revenues and the trust of business executives, investors, and customers.

Everything you Need to Scale AI in Production

With DataRobot Machine Learning Operations (MLOps), you have a central hub to deploy, manage, and govern machine learning models in production to maximize your investments in data science teams and to manage risk and regulatory compliance.



Gain critical insights into the health of your machine learning models including service health, data drift and accuracy

Centralized Model Management and Governance with DataRobot

Unlike other solutions, DataRobot's MLOps capabilities are integrated into the DataRobot Enterprise AI Platform and include:

ONE PLACE TO MANAGE ALL YOUR PRODUCTION MODELS

Finally, deliver the value of AI by simplifying the deployment and management of models from multiple machine learning platforms in production.

- **Flexible Model Deployment** - Quickly move from development to deployment of custom models built with Python, R or other compatible machine learning platforms.
- **Centralized Management** - Manage models, embedded anywhere, built by anyone across your organization. No other offering allows you to have a complete system of record, including approvals and tracking for all models.
- **Run Models Anywhere** - Maximize the investments you have already made in machine learning runtime infrastructure using tracking agents to monitor models running on any environment, including IoT devices, cloud platforms, or on-premise.

Powering Mission Critical AI and Machine Learning Innovation at Enterprises Worldwide.



“We were able to extract value from our modeling process, but DataRobot really helped us hit that inflection point where it went from something we valued and something we did to really blowing it out of the water.”

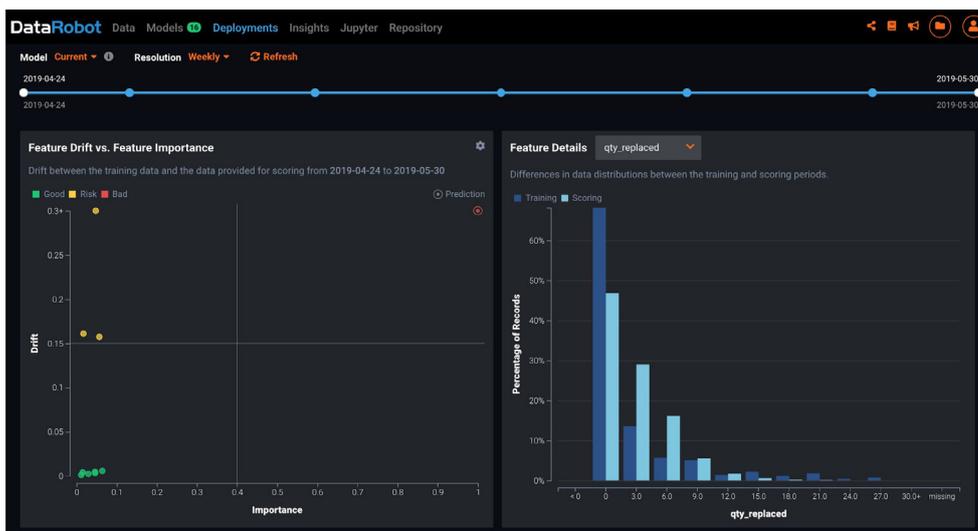
— Braden Moore,
Director of Analytics,
Philadelphia 76ers



LIVE HEALTH MONITORING AND ALERTS

Proactively manage production models to prevent production issues and ensuring both model trust and performance.

- **Live Model Health Monitoring** - Use real-time dashboards with automated monitoring and alerts on data deviations and key model metrics to quickly and proactively adapt to changing conditions.
- **Deep Production Diagnostics** - Observe and optimize models in production to improve failure prediction, minimize SLA violations, and optimize system operations.
- **Hot-Swappable Models** - Streamline the model update process without interrupting existing business processes.



Data drift analysis combined with feature importance shows you when to take action

EMBEDDED GOVERNANCE FOR RISK MANAGEMENT

Safely scale AI projects and maintain control over production models to minimize risk and comply with regulations.

- **Production Access Control** - Limit access to production models and systems to manage organizational risk and satisfy regulatory requirements.
- **Traceable Model Results** - Track individual predictions back to the production model used to make each prediction to ensure legal and regulatory compliance.
- **Model Audit Trail** - Keep an audit trail over the the lifetime of a model deployment showing when and where the model was deployed, who made updates and why.

The real value of machine learning and AI-powered systems is to improve customer experiences, operational efficiency, and to assist human actions and decision-making. With AI in this critical role, AI-based applications must be reliable and resilient. Without proper model monitoring, management and governance, your business risks losing revenues, and the trust of customers, users, and executives.

DataRobot knows that trust in your AI systems doesn't stop at model creation, and must extend through models running in production. DataRobot's MLOps centralized hub approach allows you to foster collaboration between data science and IT teams while maintaining control over your production machine learning to scale up your AI adoption with confidence.

Contact Us

DataRobot
225 Franklin St.
13th Floor
Boston, MA 02110, USA

www.datarobot.com
info@datarobot.com

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