DataRobot AI Cloud for Healthcare

Healthcare providers need next-generation technology to deliver stronger patient outcomes while driving efficiencies across their operations.

Challenges

In the wake of the global pandemic, the healthcare industry is facing unprecedented demand for patient services alongside historically complex challenges.

The healthcare industry needs to find new ways to solve their most important issues:

- **Bed shortages**: healthcare organizations need to evaluate clinical operations to deliver the best care and outcomes, while managing costs and safety in areas such as intensive or emergency care capacities.
- **Insurance claims**: Payer organizations need to harness data in a secure environment to better understand claims, costs, and memberships in an effort to improve healthcare priorities, systems, and outcomes.
- **Staffing**: Hospitals need an improved approach for predicting volumes and staffing to facilitate proactive actions and reduce costs.

To overcome these complex customer and security challenges, next-generation technology is required.

The Solution

DataRobot AI Cloud for Healthcare has the power to unlock true value from healthcare system data and allow healthcare organizations to develop and deploy breakthrough preventative treatments, improve medical procedures, and design new pharmaceutical solutions—all of which improve quality of care for all patients, regardless of socioeconomic status, and save countless lives.

With AI Cloud for Healthcare, Healthcare organizations can:

- Forecast patient demand to ensure proper care for all patients.
- Optimize resources and select appropriate laboratory tests based on the best-predicted patient outcome for clinical trials.
- Identify potential billing anomalies and proactively identify suspect claims or improper payments.
- Predict which members are at risk of churn and identifies opportunities for retention.
- Predict and proactively reduce 30 day readmissions rates.

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DataRobot AI Cloud for Industries

AI Cloud for Industries is a new approach to AI, built for today’s demands, challenges, and opportunities. The single system of record accelerates the delivery of AI in every organization. Bringing together data scientists, data engineers, IT and business users, AI Cloud for Industries is a unified environment for collaboration and continuous optimization across the entire AI lifecycle.

The platform extracts deep insights from any source of data and any data type to deliver trusted, explainable outcomes that drive business impact. It embraces and extends AI models from all providers, with the flexibility to be deployed as modular components or a complete cloud.

And, to serve today’s multi-cloud reality, AI Cloud for Industries spans all environments—across any cloud, data center and the edge—while protecting organizations with enterprise security, governance, and operations.

What makes AI Cloud for Industries even more powerful is its unique ability to combine the strengths of human and machine intelligence. We call it Augmented Intelligence.

Augmented Intelligence brings together human intuition and experience, plus the efficiency and power of machine learning, to move beyond simply making more decisions or making them faster. With Augmented Intelligence, we make the right decisions.

Trusted Across Industries

Customer Success

Staffing and Resources
Using DataRobot’s Automated Machine Learning, a healthcare provider was able to decrease their costs. A 1% reduction in registered nurses’ hours paid per patient day netted $2 million in savings per year, for eight of the 38 hospitals in the healthcare providers network.

Patient Outcome
By leveraging DataRobot’s AI Cloud for Healthcare, a healthcare provider was able to predict patient outcomes from Acute spinal cord injuries (SCI). With AI-driven solutions they were able to determine patients that are less likely to improve from SCIs and need to be monitored closely for a stronger recovery.

Clinical Trials
A healthcare provider utilized DataRobot’s AI Cloud for Healthcare to build models faster and more accurately to support life-saving business decisions. They delivered 20% of all COVID-19 vaccines nationwide and achieved an unprecedented 90% second-dose return rate.

Jump-Start Your AI Journey Today

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