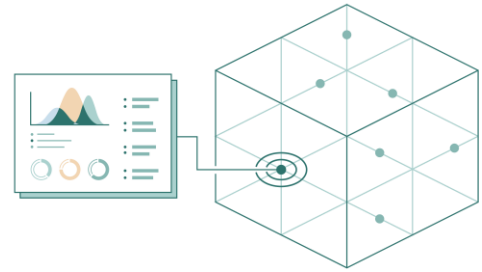


The Truera Model Intelligence Platform

Powered by Enterprise-Class AI Explainability



Truera Value

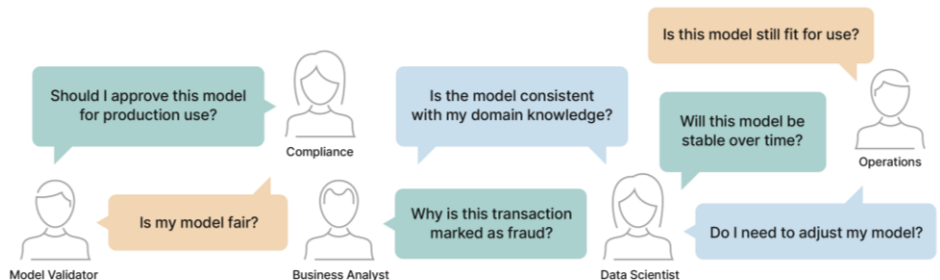
- 1 Analyze & Explain ML**
 Enable data scientists to explain model predictions and gain new insights into model behavior that can improve the development, governance, and operationalization of models.
- 2 Improve Model Quality**
 Help data scientists improve their model quality and ensure their models meet business requirements and are stable, reliable, explainable, and fair.
- 3 Build Trust & Reduce Risk**
 Increase trust by allowing data scientists to analyze, govern, and explain their models to business, operations, model validation, compliance, and regulatory teams.
- 4 Operationalize & Monitor with Confidence**
 Enable data scientists to monitor and understand data drift, concept drift, and model quality over time.
- 5 Boost Efficiency & Speed Time to Market**
 Increase data scientist efficiency and machine learning model time to market through model intelligence, governance, and collaboration capabilities

Truera’s Model Intelligence Platform helps eliminate the black box surrounding widely used ML technologies leading to higher quality, explainable models that achieve measurable business results, address unfair bias, and ensure governance and compliance.

Model Intelligence & the AI Trust Gap

One of the most important obstacles to the adoption of AI in the enterprise is the trust gap in the quality of machine learning models. What is this gap? The trust gap is the lack of confidence in the ability of ML to achieve its business goals and the source of this AI trust gap is the black box nature of the technology.

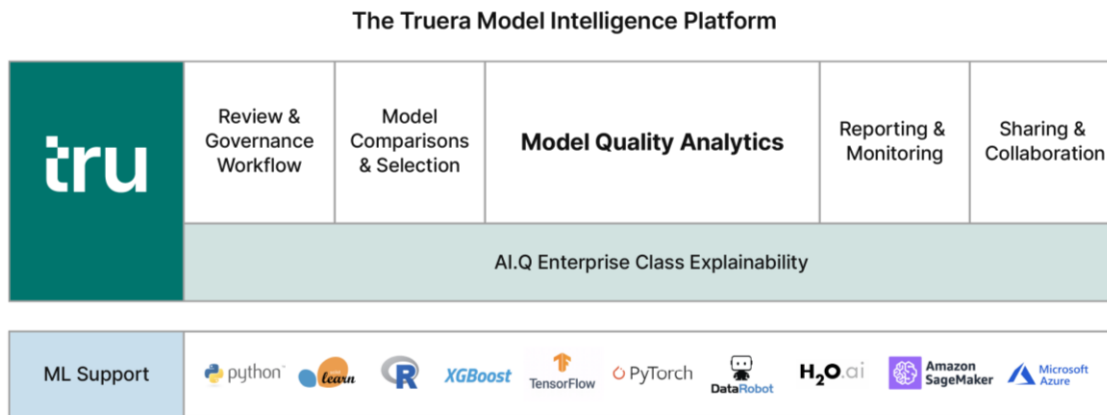
Data scientists do not have sufficient visibility into models to effectively explain model quality during development and in production. Business users and risk and compliance teams do not understand ML models and their predictions deeply enough to assess model risk, guard against harms like unfair bias, and effectively use models to make decisions.



Model Intelligence bridges this trust gap and enables the deep evaluation of model quality required to build trust in machine learning models. Model Intelligence technology extracts actionable information locked inside machine learning models to answer these kinds types of questions across workflow in which these models are built, validated, monitored and used.

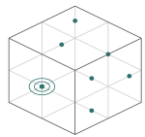
The Truera Model Intelligence Platform

The Truera Model Intelligence Platform helps data scientists and their business, risk and compliance stakeholders build trust in the quality of their machine learning models.



Key Elements

The key elements of the Truera Model Intelligence Platform include:



The AI Explainability Core

Truera’s AI.Q technology - the basis for the platform - is the best enterprise-class AI Explainability technology in the market. Based on six years of research performed at Carnegie Mellon University, it performs sophisticated sensitivity analysis that enables data scientists, business users, and risk and compliance teams to understand exactly why a model makes predictions.

Key differentiators include:

Works With All Popular Model Types: AI.Q works with all types of regression and classification models, including logistic regression, gradient boosted and other tree ensemble models, and deep neural networks.

Answers Key Questions: AI.Q answers a broad set of questions about causal drivers of model predictions for individuals as well as aggregate trends relevant to addressing unfair bias and instability.

Delivers Enterprise-Class Accuracy & Performance: AI.Q provides superior accuracy, and speed (orders of magnitude faster than the leading open source offering).



Model Quality Analytics

Model quality helps ensure models achieve the intended business impact. Truera analyzes several facets of model quality including:

Accuracy

Generalization

Conceptual soundness

Stability

Reliability

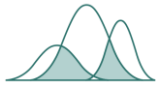
Fairness

Segment Analysis



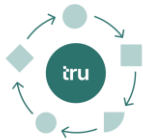
Reporting & Monitoring

It's hard to maintain black box machine learning model performance and trust over time when new data changes from the training data used to create the model. Truera enables data scientists to monitor and understand data drift, concept drift, and model quality over time.



Model Comparisons & Selection

Machine learning development is highly iterative and experimental, so quickly understanding the changes is critical. With Truera, data scientists can more deeply and easily compare models than ever before, enabling them to extract insights to guide faster and more effective model development.



Review & Governance Workflow

High-stakes and regulated models often require separate model validation or governance processes. Truera encodes best practices for validation and governance including model documentation, auditability, and reproducibility.



Sharing & Collaboration

Truera supports the workflow involved in the full lifecycle of model development, validation, operationalization, and monitoring enabling data scientists and model stakeholders to easily share, demo, and collaborate on model intelligence insights.

Architecture & Deployment

Truera integrates with all popular model development technologies providing enterprises flexibility to leverage their preferred best-of-breed ML technologies. The Truera platform can be securely deployed on-premise or in a company's private cloud in hours.

