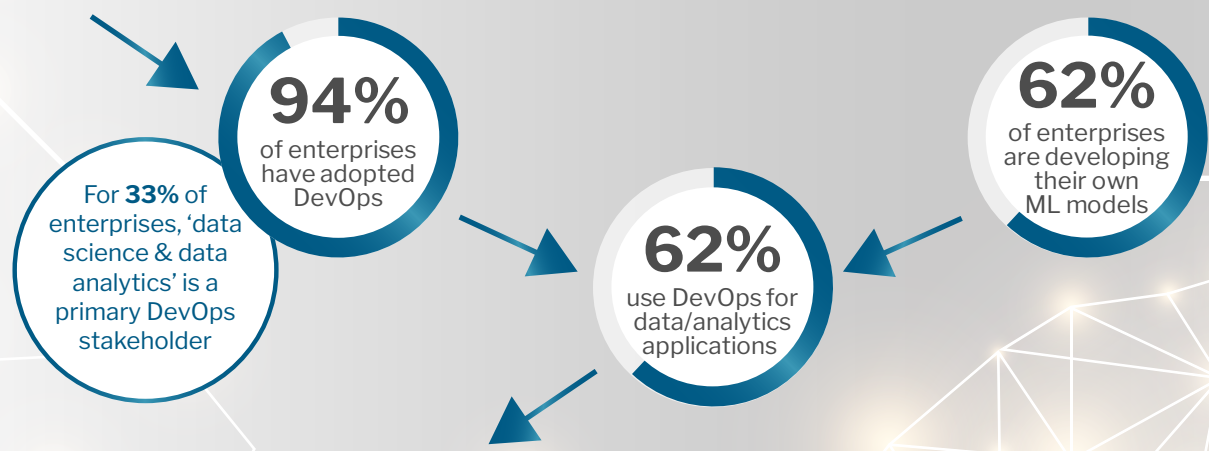**451 Research®**

ModelOps and Intelligent Automation as Enablers of Transformational Change
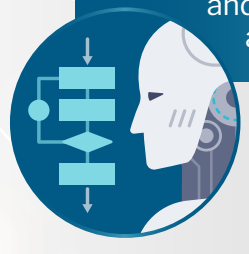
DevOps has revolutionized application development to enable transformational initiatives

More than half of digital transformation leaders have adopted **machine learning,** compared to less than a quarter of digital transformation laggards

94% of enterprises have adopted DevOps

For **33%** of enterprises, 'data science & data analytics' is a primary DevOps stakeholder

62% use DevOps for data/analytics applications

62% of enterprises are developing their own ML models

Models are becoming integral to the development of enterprise apps, requiring continuous, synchronized and automated development and deployment lifecycles

The use and variety of models is expanding – not just ML and AI models, but also operational, optimization and transformational models.

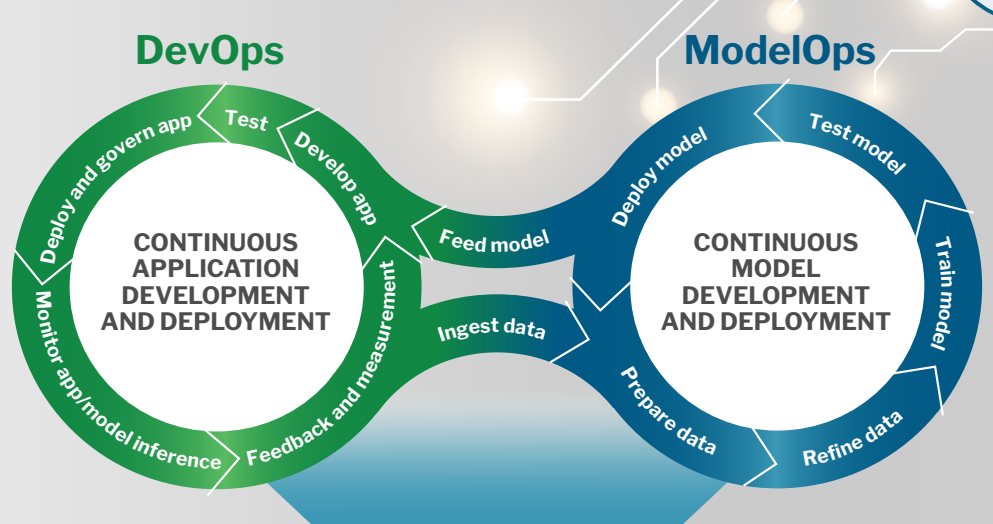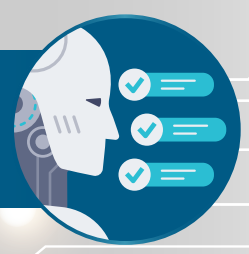For **28%** of enterprises, deploying models into operational systems is a barrier to ML adoption.

ModelOps is a practice of enabling the deployment and management of models throughout the application development and deployment lifecycle, with a goal of operationalizing models in production.
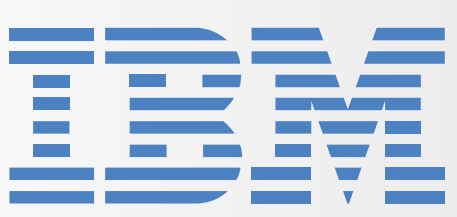
ModelOps helps ensure AI-powered apps are

- ✓ TRUSTED
- ✓ EXPLAINABLE
- ✓ SCALABLE
- ✓ AUTOMATED

ModelOps delivers measurable outcomes that are

- ✓ ALIGNED WITH BUSINESS GOALS
- ✓ FLEXIBLE TO EVOLVE WITH BUSINESS REQUIREMENTS
- ✓ GOVERNED & COMPLIANT

Synchronization of application development and model development lifecycles can ensure that models are successfully deployed into cloud-native applications.

DevOps

ModelOps

CONTINUOUS APPLICATION DEVELOPMENT AND DEPLOYMENT

Deploy and govern app · Test · Develop app · Feed model · Ingest data · Feedback and measurement · Monitor app/model inference

CONTINUOUS MODEL DEVELOPMENT AND DEPLOYMENT

Deploy model · Test model · Train model · Refine data · Prepare data

Operational excellence to drive better outcomes

IBM

To learn more, register for the ModelOps and Intelligent Automation webinar here.