ModelOps
Scale and Govern AI initiatives

Stu Bailey,
Co-founder and Chief Enterprise AI Architect
ModelOp
ModelOps lies at the center of any organizations’ enterprise AI strategy

Gartner

“Innovation Insight for ModelOps”, Farhan Choudhary, Shubhangi Vashisth, Arun Chandrasekaran, Erick Brethenoux, 6 August 2020

Why ModelOps?

• Control Risk
• Shorten Models Time to Business
• Increase Transparency
• Unlock Value of AI Investments
AI/ML Models are Challenging Enterprise Assets to Manage and Operate

- Unpredictable shelf-life
- Critical role in frequent business decisions
- Increasing role in enterprise strategy
- Complex business and technical relationships
- Uniqueness

Increasing role in enterprise strategy
Each Model has its own Life Cycle and KPI’s

Fraud Detection MLC

Validation, Acceptance, Business Ownership and Inventory Registration

Packaging, Deployment and Execution

Ethical Fairness / Bias

Statistical Performance

Concept Drift

Data Drift

Retraining and Champion/Challenger

Regulatory Compliance and Audit
MLC across the enterprise
New Roles

Enterprise AI Architect

- Defines the architectural strategy and best practices for model operationalization
- Designs Model Life Cycles

Model Operators

- Ensures that models are operating and conforming to business, technical and compliance KPI’s 24x7
- Primary ModelOp Center User
Questions ModelOp Center Answers

How many models are in production? What applications and processes depend on AI Models?

Where are models running? How long have they been in business?

Have models been validated and approved? Who approved them? What tests were run?

What decisions are models making – inferences and scoring?

Are results reliable/accurate?

Are compliance and regulatory requirements being satisfied? Can that be proven?

Are models performing within controls/thresholds?

What is the ROI for the model?
Thank you

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learn@modelop.com
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www.vimeo.com/modelop

ModelOp puts your models in business with the industry’s leading enterprise-class ModelOps software solution. Large enterprises use ModelOp Center to Scale and Govern AI initiatives.