

# Domino Data Lab and DataRobot

To compete in today's business environment, organizations need to enable their data science and analytics teams with a full-scale data science solution to accelerate research, increase collaboration, and drive business impact. However, these same organizations are struggling to deliver models fast enough to make an impact because teams do not have access to the right tools and waste valuable time on tasks that could be automated.

The partnership between [Domino Data Lab](#) and [DataRobot](#) offers the highest levels of automation and built-in collaboration to enable data scientists at organizations of all sizes to optimize and accelerate their modeling efforts.

## DataRobot and Domino deliver:

- **Automated Machine Learning:** DataRobot helps users who understand their data and their business to quickly develop dozens of machine learning models, along with the interpretability to fully understand why these models work as they do, so they can choose the best model for their data challenge.
- **Team Collaboration and Reproducibility:** With Domino, data science teams have a modeling environment to collaboratively develop models and share their knowledge. In addition, data science teams reduce key-person and operational risk by automatically preserving all key project information and artifacts. Projects can be easily reproduced for data scientists to build on each others' work.
- **Fast Model Deployment:** Domino and DataRobot allow users to easily deploy models in production. Using Domino, you can publish DataRobot models as enterprise-grade APIs, shiny and Flask apps, interactive web pages, and scheduled reports. Alternatively, you can publish models through a robust REST API on DataRobot, which serves as a prediction engine that allows for quick model deployment. DataRobot also offers a number of other options for [model deployment](#), including Scoring Code Export and ad hoc predictions.
- **Enterprise Scalability:** Domino and DataRobot both offer enterprise-grade scalability, providing options for model

(re-)training, development and deployment on Amazon AWS, on virtual private networks, or on premise.

- **Security and Access Control:** Domino and DataRobot incorporate enterprise identity and access management for organizations, e.g. LDAP and Kerberos.

“At Trupanion, we automate the insurance claims process by applying models that run 24/7. Our modeling process has been accelerated and made more cohesive by using Domino and DataRobot together. DataRobot automates model development and training, and Domino accelerates model deployment by automatically creating scalable and reliable API endpoints. All of these improve our customer experience tremendously.”

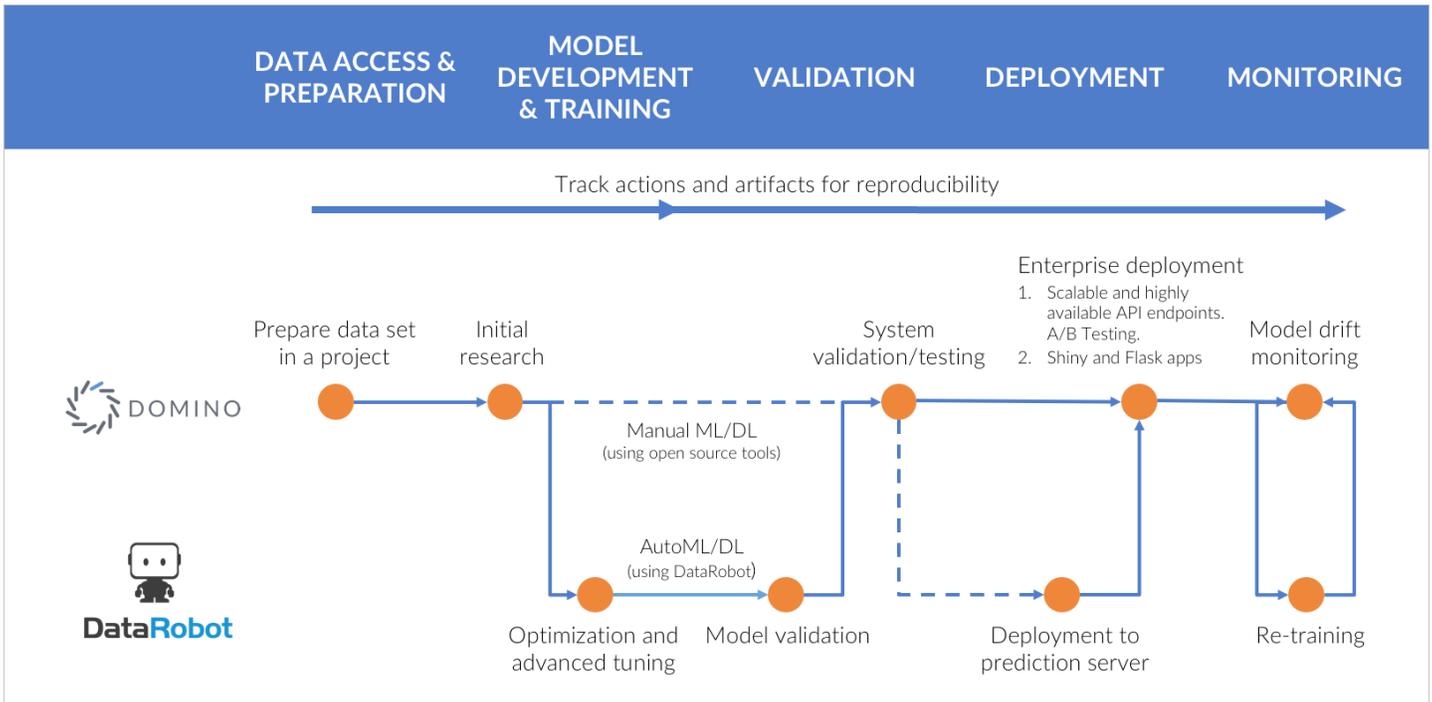
TJ Houk  
Chief Data Officer, Trupanion

CUSTOMER USE

## The DataRobot + Domino Workflow

Users begin projects by preparing data on the Domino platform. They have the option to continue building a model in Domino or send that data over to DataRobot. With DataRobot, users can rapidly build multiple models to consider, and can very quickly optimize, validate, and tune those models to ensure the best and most accurate one is chosen.

Once a model is chosen, the validation workflow can include visualizations and/or turning predictions into making business decisions, both of which are implemented in Domino. Users can share knowledge and findings with each other to accelerate data science research. They then have a choice of deployment options with either DataRobot or Domino. This collaborative workflow accelerates the production and deployment of models in order to gain insights and results in a fraction of the time, compared to traditional methods.



By creating a shared workflow, Domino Data Lab and DataRobot enable data scientists and business analysts to accelerate the development and delivery of models. Users are empowered and enabled with key capabilities of rapid model development, automated machine learning,

seamless collaboration, fast iteration, and one-click model deployment. This greatly increases productivity, removes bottlenecks in the data science lifecycle, and promotes continued collaboration on future projects.

**Together, Domino and DataRobot enable:**

- Acceleration of model building, deployment and re-training to get to business insights and results much faster
- Collaboration of users to share the best models with each other
- Compounding of knowledge amongst users



Domino Data Lab provides an open data science platform to help companies run their business on models. Model-driven companies like Allstate, Instacart, Dell, and Monsanto use Domino to accelerate breakthrough research, increase collaboration, and rapidly deliver high-impact models. Founded in 2013 and based in San Francisco, Domino is backed by Sequoia Capital, Bloomberg Beta, and Zetta Venture Partners. To learn more, visit [dominodatalab.com](http://dominodatalab.com).



DataRobot helps enterprises embrace artificial intelligence (AI). Pioneered by DataRobot, automated machine learning enables organizations to build machine learning models that unlock value in data, making machine learning accessible to business analysts and allowing data scientists to accomplish more faster. With DataRobot, organizations become AI-driven by automating processes, optimizing outcomes, and extracting insights. To learn more, visit [datarobot.com](http://datarobot.com).

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