

An Introduction to Domo's Data Science Products & Services

Lunch & Learn | March 2, 2023

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Data Scientists

Data Science Professional Services at Domo, Inc.



DOMO DATA SCIENCE PROFESSIONAL SERVICES

WHAT WE DO

Provide consulting to Domo clients on data science/machine learning (DSML) projects

Full DSML solutions (modeling), data science readiness, data strategy

Support data science initiatives at Domo

- Product development; sales & marketing; education & trainings
- Sponsoring Lunch & Learns focused on data science the first Thursday of every month
 - Leave in comments ideas on what topics you'd like to see covered





DOMO DATA SCIENCE PROFESSIONAL SERVICES

WHO WE ARE

Our team is led by PhDs with over 25 years of experience in using data to impact business development and drive value

The team has experience working with all industries, with all data types, and with all sizes of businesses and data-specific projects

INTERESTED IN WORKING WITH US?

Contact your Account Executive (AE) for more info



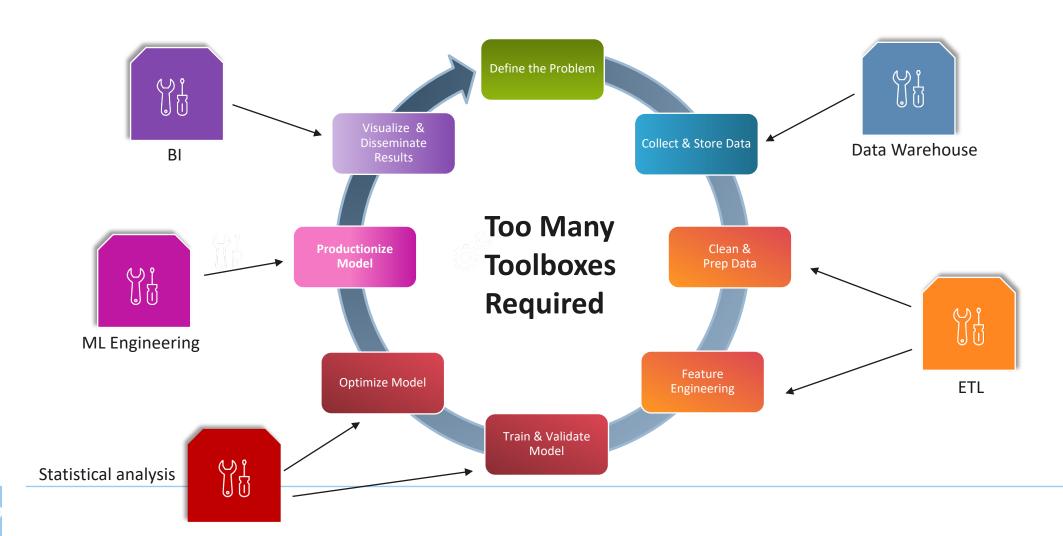
What is data science?

Data science combines statistics with specific subject matter expertise to uncover actionable insights in an organization's data.



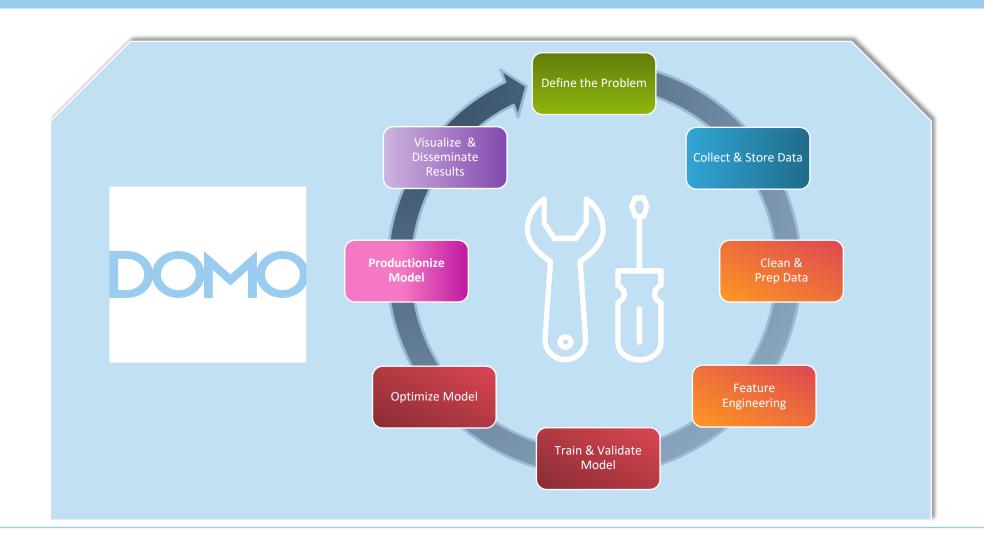


Where Data Science Workflows Often Fall Short



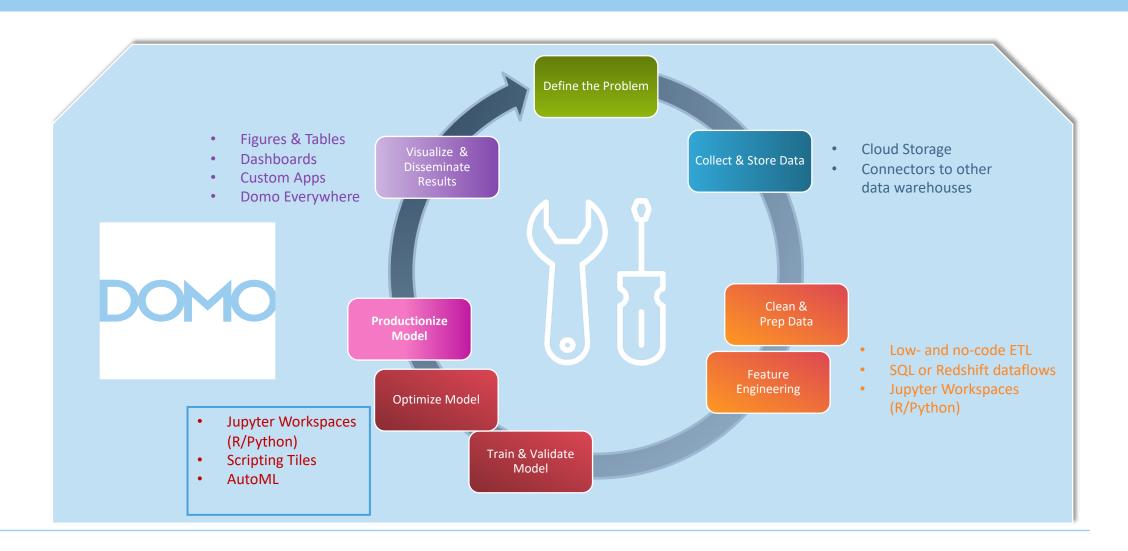


Domo is a One-Stop-Toolbox for Data Science/ML





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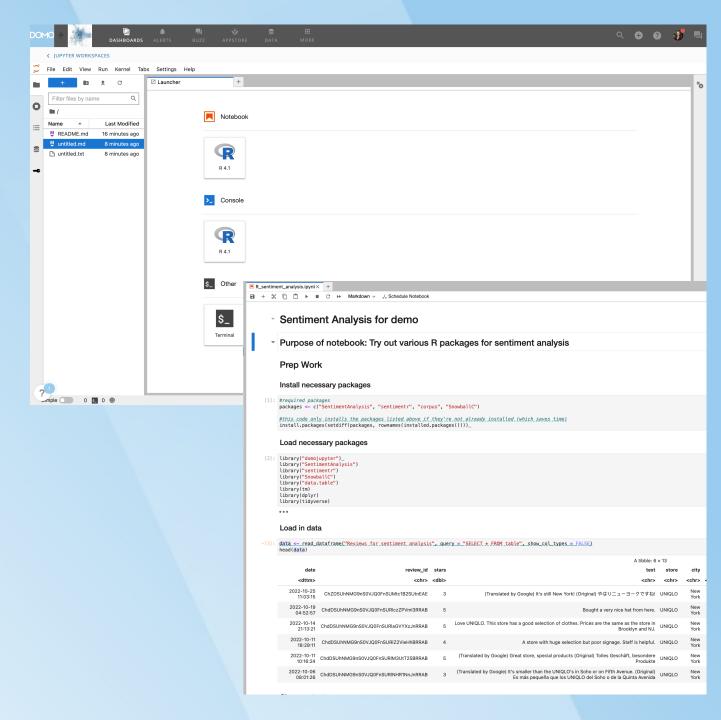




Domo's integrated Jupyter Workspaces let's you explore your data, train & productionize models, and create custom visualizations - all in one place

FEATURES

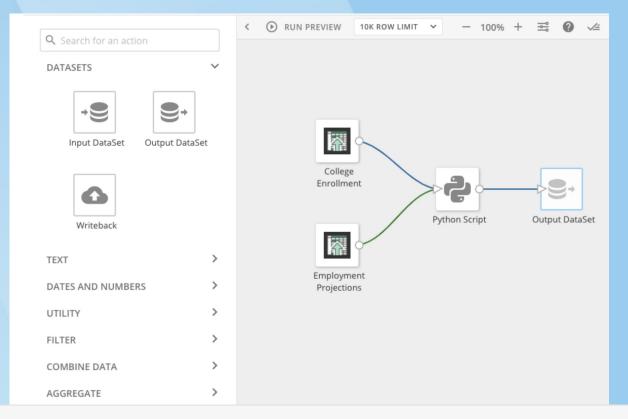
- Read & write data directly to & from Domo
- Write code in notebooks using Python or R programming languages
- Choose your compute tier
- Productionize models in a notebook
- Run tasks programmatically (for developers)
- Schedule notebooks to run automatically at a set time or frequency
- Share workspaces to enable collaboration
- Integrate with GitHub for version control

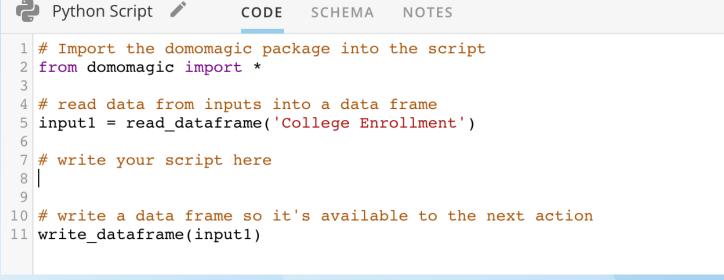




Scripting Tiles

Use Scripting Tiles to run brief R or Python code directly in an ETL dataflow





DOMO AutoML

AutoML is a low-code option for automatically generating & testing multiple machine learning models









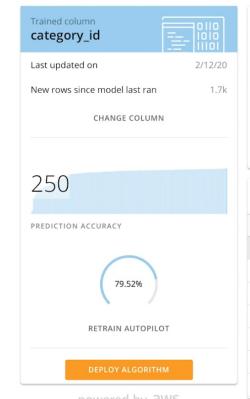


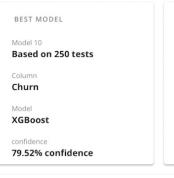
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Automated data validation and feature engineering Algorithmic testing hundreds of classifications and regression models

Deploy in Magic

OVERVIEW LINEAGE HISTORY PERSONALIZED DATA PERMISSIONS AutoML





BEST MODEL VALUES Objective Metric Train error 79.52% 18.85% Validation Error Train accuracy 20.48% 81.15% Validation accuracy 79.52%

BEST MODEL COLUMN IMPACT Columns that had a greatest impact on prediction: **Rep:** 0.97 Deal Size: 0.76 Region: 0.52

RESULTS LEADERBOARD					
Tests	Validation Accuracy	Train Accuracy	Max Depth	Number of Classes	Number of Rounds
Model 10	79.52%	100%	5	16	414
Model 76	79.52%	100%	22	16	460
Model 125	79.52%	100%	17	16	120
Model 32	79.05%	100%	27	16	433
Model 51	79.05%	100%	28	16	217
Model 143	79.05%	100%	22	16	416
Model 1	78.57%	100%	32	16	68

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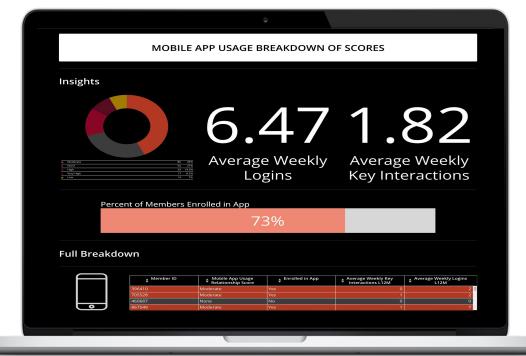


Live Demos of Data Science/ML Solutions

Sentiment Analysis



Customer Relationship Score





Q&A



Thank You