

DECISION MANAGEMENT SOLUTIONS TRAINING

LIVE INTERACTIVE TRAINING WITH EXPERIENCED DECISION MODELERS

OPERATIONALIZING MACHINE LEARNING WITH DMN

WEEK OF OCTOBER 3, 2022



Machine learning improves operations only when its predictive models are deployed, integrated and acted upon – that is, only when you operationalize it. To get to that point, your business must follow a gold standard project management process, one that is holistic across organizational functions and reaches well beyond executing the core number crunching itself.

At this workshop, you will gain a deep understanding of the concepts and methods involved in operationalizing machine learning to deliver business outcomes. This workshop focuses on the elements of a machine learning project that define and scope the business problem, ensure that the result is useful in business terms, and help deliver and operationalize the machine learning outcome. Based on CRISP-DM – the most well known, established industry standard management process for machine learning.

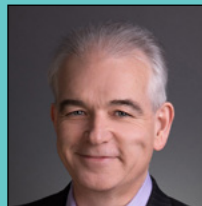
This course does not dive into the core machine learning technology itself, but focuses instead on how machine learning must be applied in order to be effective.

Attendees will have opportunity to apply what they learn to real-life scenarios.

YOU WILL LEARN HOW TO:

- Apply machine learning to business operations through the structure of CRISP-DM
- Use decision modeling to understand real-world business problems in a way that allows machine learning to be applied effectively
- Take a decision-centric and business-focused approach to machine learning projects
- Evaluate and deploy machine learning results to minimize the gap between analytic insight and business improvement

This three-part online training class will help you be immediately effective in operationalizing your machine learning models. You'll learn how to use decision modeling to frame machine learning projects and evaluate the effectiveness of your machine learning models in business terms. You'll understand the different ways machine learning can be used to improve decision-making and how to use of business rules technology alongside machine learning. You'll see how decision modeling complements CRISP-DM and how the combination makes your machine learning projects more effective. Interactive work sessions support each step, focused on problems that reinforce key points.



ABOUT THE INSTRUCTOR

James Taylor is the CEO of Decision Management Solutions and is a leading expert in how to use business rules and analytic technology to build decision management systems. He is passionate about using decision management systems to help companies improve decision-making and develop an agile, analytic and adaptive business. He provides strategic consulting to companies of all sizes, working with clients in all sectors to adopt decision-making technology.

James is an expert member of the International Institute for Analytics and is the author of multiple books and articles on decision management, decision modeling, predictive analytics and business rules, and writes a regular blog at JT on EDM. James also delivers webinars, workshops and training.

He is a regular keynote speaker at conferences around the world.

COURSE OUTLINE:

- Overview of CRISP-DM and its basic approach
- The importance of decisions in the Business Understanding phase
- Decision modeling as a way to assess the situation and set goals for the project
- Decision-centric approach to Data Understanding phase of CRISP-DM
- Decision-centric approach to Data Preparation and Modeling phase of CRISP-DM
- Decision-centric approach to Evaluation phase of CRISP-DM
- Decision-centric approach to Deployment phase of CRISP-DM
- Technical deployment options
- Business rules in a decision model to turn predictive analytic into prescriptive one
- Ongoing decision (not just model) monitoring and management

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