AI Model Risk & Validation

For the people who have to approve the models. A clear method to validate AI without needing to be the one who built it.

WHO IT'S FOR	FORMAT	LENGTH
Model-risk, validation, data-science oversight and second-line teams.	In-house workshop	Full-day

What your team walks away with

Challenge, validate and sign off AI and machine-learning models with a clear, defensible process.

What you'll learn

- ✓ Judge whether an AI or machine-learning model is fit for its intended use without having built it
- ✓ Validate the data, training and performance behind a model in plain language
- ✓ Assess bias, drift and the monitoring a model needs once it's live
- ✓ Put effective-challenge questions to a model team — the independent scrutiny supervisors expect
- ✓ Document validation work so it holds up when an auditor or regulator reviews it
- ✓ Reuse a validation checklist and sign-off template for every model that comes for approval

Curriculum

01 What makes an AI model fit (or unfit) for use

- Judging conceptual soundness: is the model right for the problem it's solving
- Matching model type and complexity to the use and its risk
- Assumptions and limitations that make a model unfit for its purpose
- Why opaque 'black-box' models are harder to validate, and what to demand
- Applying model-risk principles (such as those behind SR 11-7) to AI and machine learning

02 Validating data, training and performance in plain language

- Checking the data: quality, sources, representativeness and consent
- How a model was trained and tested, and why that matters for validation
- Reading performance results without being a data scientist
- Testing on data the model hasn't seen, and watching for overfitting
- Spotting where strong demo results won't hold in the real population

03 Bias, drift and monitoring after a model goes live

- How bias enters a model and how to test for it
- Model drift: a model quietly getting worse as the world changes
- The monitoring needed once real decisions depend on the model
- Thresholds and triggers for revalidation or retirement
- Ongoing validation, not just a one-time sign-off

04 Challenging a model team: the questions that matter

- What 'effective challenge' means and why supervisors expect it
- Staying independent of the team that built the model
- The specific questions that surface weak assumptions and gaps
- Pushing on limitations the model team may downplay
- Knowing when to withhold sign-off and what to require first

05 Documenting validation so it holds up under review

- What a defensible validation record contains
- Capturing tests run, results, limitations and conclusions
- Recording the challenge process and how concerns were resolved
- Keeping documentation an auditor or regulator can follow later
- Aligning records with model-risk and audit expectations

06 A validation checklist and sign-off template

- Walking through a reusable validation checklist step by step
- A sign-off template that records the decision and its basis
- Adapting the checklist to different model types and risk levels
- Setting conditions, limitations and review dates at sign-off
- Embedding the template into your approval workflow

You keep

> An AI model validation checklist and sign-off template.
