Enterprise Computing Solutions - Education Services

TRAINING OFFERING

Vous pouvez nous joindre ici

.

Email: training.ecs.fr@arrow.com
Phone: 01 49 97 50 00

IBM Safer Payments Hands-On Modeling Training (V6.3)

CODE:	DURÉE:	PRIX H.T.:
6A330G	24 Hours (3 Jours)	€2,150.00

Description

IBM Safer Payments is an innovative real-time payment fraud prevention and detection solution for all cashless payment types. IBM Safer Payments provides not only model capabilities based on inbuilt tools, but also the option to import externally built fraud models for real-time decisioning.
In this course, all of the IBM Safer Payments model capabilities are presented in details. The following modelling concepts are covered: index, profiling techniques (with and without index sequence), model components comprised of rulesets, PMML, Python and Internal Random Forest, elements of the simulation environment including Rule Generation and Internal Random Forest, as well as the sampling techniques. All these concepts will be followed by the hands-on exercises that students are expected to execute.

Objectifs

- Mandator Structure and its elements
- Sandbox Enviornment
- Modeling Concepts in Safer Payments
- Index for Profiling
- Profiling based on index with sequence
- Profiling based on index without sequence
- Profiling using Formula
- Ruleset/Rule Creation/ Rule Action
- Simulation Workflow
- Simulation: Data Selection and Sampling techniques
- Simulation: Attribute usage
- Simulation: Rule Analysis
- Simulation: Rule Performane
- Simulation: Rule Scoring
- Simulation: Rule optimization
- Inbuild Model Components: Rule Generation
- Inbuild Model Components: Random Forest
- Supported external Model Components: PMML
- Supported external Model Components: Python
- Collusion Algorithm

Audience

IBM Safer Payments users (Fraud Analysts, Fraud Investigators and optional: System Administrators), IBM Lab experts, and IBM Business Partners.

Prérequis

- Business knowledge
- Some familiarity with statistical models
- Understanding Safer Payments data inputs concepts

Programme

Mandator Structure and its elements

- Understand Safer Payments structure
- Answer the Hierarchy question
- Prioritization Execution

Sandbox Environment

- Understand Champion/Challenger Concepts
- How to promote a model to production
- How to copy elements from other challengers
- How to revert the model in production

Modeling Concepts in Safer Payments

- Understand at the high level the inbuilt techniques vs external model capabilities
- Answer the question of what are the Inbuild Model Capabilities
- Answer the question of what are supported external Model Capability to Safer Payments

Index for Profiling

- Understand the basis of profiling in Safer Payments
- Create Index without sequence
- Create Index with sequence

Profiling based on index with sequence

- Understand Profiling concepts based on index with sequence
- Build a counter
- Build a precedent
- Build a pattern

Profiling based on index without sequence

- Understand Profiling concepts based on index without sequence
- Build a calendar
- Build an event
- Build device identification

Profiling using Formula

- Ability to create a formula

Ruleset/Rule Creation/ Rule Action

- Understand Rulesets and Rules
- Build a Ruleset
- Build a Rule
- Create a Rule Action

Simulation Workflow

- Understand The Simulation Environment and workflow

Simulation: Data Selection and Sampling techniques

- Understand data selection for simulation
- Select data selections for simulation
- Sample the data selection
- Run the simulation

Simulation: Attribute usage

- Understand the role of the attribute usage settings
- Select attributes for simulation
- Run the simulation

Simulation: Rule Analysis

- Understand the concept of the Rule Analysis
- Create a Rule Analysis
- Analyse a Rule Analysis

Simulation: Rule Performance

- Understand the concept of the Rule Performance
- Create a Rule Performance
- Analyse Rule Performance

Simulation: Rule Scoring

- Understand the concept of the Rule Scoring
- Create a Rule Scoring

Simulation: Rule optimization

- Understand the concept of Rule Optimization
- Create a Rule Optimization Report

Inbuild Model Components: Rule Generation

- Understand the concept behind Rule Generation
- Understand the setting parameters
- Use of verification data set and training data set
- Use Interactive Mode for Rule Generation
- Analyse the Rule Designer parameters
- Use Fully automated Mode of Rule Generation

Inbuild Model Components: Random Forest

- Understand the concept of Internal Random Forest
- Understand the setting parameters
- Use of verification data set and training data set
- Run and Analyse results

Supported external Model Components: PMML

- Understand how to import a PMML model into IBM Safer Payments
- Understand how to map inputs and outputs of the model
- Understand how to use PMML for decisioning

Supported external Model Components: Python

- Understand how to import a python script into IBM Safer Payments
- Use python for pre-processing rulesUse python for formula
- Use python for modelling

Collusion Algorithm

- Understand the concept of the Collusion Algorithm
- Understand how to set up a collusion algorithm: manually and automatically
- Create and simulate the Collusion
- How to invoke the collusion algorithm

Dates de session

Sur demande. Merci de nous contacter

Informations Complémentaires

Cette formation est également disponible sous forme de formation sur site. Veuillez nous contacter pour en savoir plus.