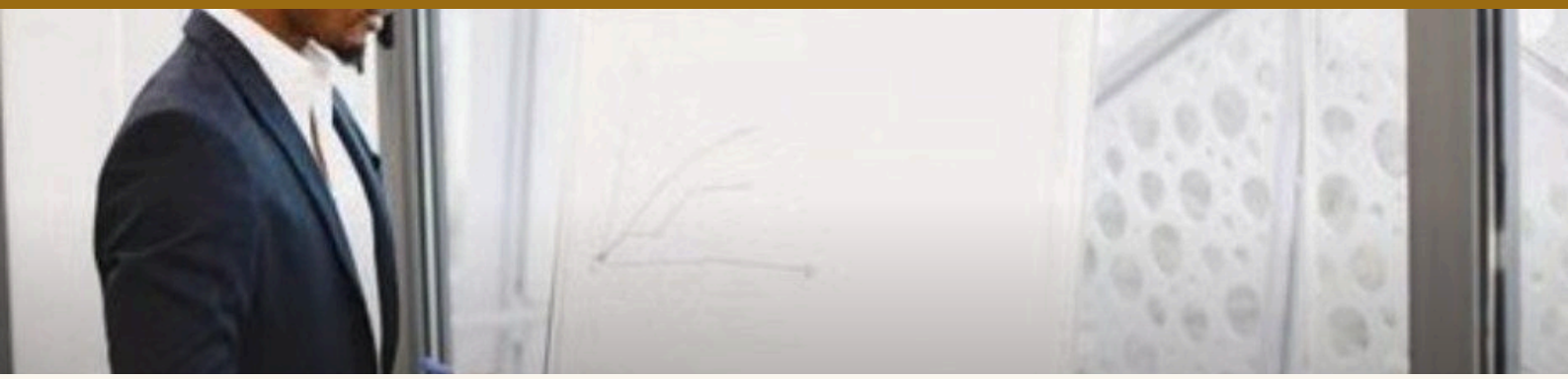


SEYA CAPITAL
INSIGHT.STRATEGY.GROWTH

FRAUD, FINANCIAL AUDIT & COMPLIANCE

Predictive Modeling Financial Fraud Risk Intelligence

Forecasting Fraudulent Behaviour Before It Costs You

SECTOR	FORMATS	FEE FROM	2027 SESSIONS
Fraud, Financial Audit & Compliance	5 days & 2 weeks	US$ 2,100	3

OVERVIEW

About this course

Financial fraud is one of the most costly and disruptive risks organisations face today. Reactive detection still has its place, but forward-looking strategies built on predictive modelling are increasingly what separates organisations that stay ahead of fraudsters from those that are always one step behind.

This Seya Capital Predictive Modeling for Financial Fraud Risk Intelligence training course gives participants the knowledge and tools to build, understand, and evaluate predictive models tailored to fraud risk. It introduces the statistical and machine learning methods used to forecast fraudulent behaviour from historical data, behavioural indicators, and transaction patterns, so delegates leave knowing exactly how predictive analytics fits within a broader fraud risk framework.

2027 SCHEDULE

Dates, venues & fees

DATES	VENUE	FORMAT	FEE PER DELEGATE
31 May – 4 Jun 2027	Dar es Salaam, Tanzania	5 days	**US$ 2,100**
7 – 18 Jun 2027	Dallas, Texas, USA	2 weeks	**US$ 6,660**
14 – 18 Jun 2027	Dallas, Texas, USA	5 days	**US$ 3,700**

Fees exclude travel and accommodation. This course is also available in-house, on dates and at a venue of your choice.

OBJECTIVES

By the end of the course

By the end of this Seya Capital training course, participants will be able to:

- Understand the principles and lifecycle of predictive modelling in fraud contexts
- Explore key statistical and machine learning techniques used in fraud prediction
- Select, train, and validate models using appropriate performance metrics
- Interpret model output to support risk-based decision-making
- Incorporate predictive modelling into an overall financial fraud management strategy

WHO SHOULD ATTEND

Designed for

This Seya Capital Predictive Modeling for Financial Fraud Risk Intelligence training course is ideal for professionals responsible for managing fraud risk, financial data analysis, or predictive analytics, including:

Fraud and Financial Crime Analysts | Risk and Compliance Officers | Internal Auditors and Forensic Accountants | Data Scientists and Business Analysts | Finance and Operations Managers seeking proactive fraud solutions

PROGRAMME

Course outline

Day 1: Introduction to Predictive Modelling and Financial Fraud

- Understanding financial fraud typologies and trends
- Limitations of traditional detection and the need for prediction
- What is predictive modelling? Key concepts and benefits
- Overview of data sources and risk indicators
- Introduction to the predictive modelling workflow

Day 2: Preparing Data for Prediction

- Data collection and cleansing for fraud modelling
- Feature engineering: selecting and creating predictive variables
- Dealing with imbalanced data and rare event modelling
- Exploratory analysis to understand relationships and anomalies
- Data partitioning: training, validation, and test sets

Day 3: Modelling Techniques and Tools

- Overview of classification algorithms: logistic regression, decision trees, and more
- Introduction to machine learning models for fraud detection
- Evaluating model performance: confusion matrix, ROC, and AUC
- Understanding overfitting and generalisation
- Comparing and selecting the right model for your data

Day 4: Model Deployment and Monitoring

- Interpreting model outputs and scores
- Implementing risk thresholds and decision strategies
- Integrating models into operational systems
- Monitoring and updating predictive models over time
- Governance and model risk management considerations

Day 5: Strategic Application and Future Outlook

- Aligning predictive modelling with business and regulatory objectives
- Developing a fraud risk framework with predictive analytics
- Collaborating with technical teams and data scientists
- Exploring future trends in AI and predictive modelling
- Summary, reflections, and next steps

METHODOLOGY

How you will learn

This training course is delivered in a structured format through instructor-led sessions, combining clear theoretical explanation with illustrative examples and model walkthroughs. It is accessible to professionals with varying technical backgrounds, providing conceptual clarity without requiring programming or advanced statistical knowledge.

IMPACT

The return on learning

For your organisation

- Improved capability to anticipate and prevent fraud before losses occur
- More effective allocation of investigative and compliance resources
- Enhanced integration of analytics into enterprise fraud risk strategy
- Better alignment with regulatory expectations for proactive monitoring
- Increased trust and transparency in financial systems

For you

- A practical understanding of predictive modelling in the financial fraud domain
- The skills to interpret and evaluate model performance and applicability
- Confidence to participate in model development and implementation discussions
- Broader analytical thinking in the context of financial risk
- A foundation for advancing toward more complex fraud analytics roles

CERTIFICATION

Seya Capital certificate

Upon successful completion of this training course, delegates will be awarded a Seya Capital Certificate.

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Register or enquire

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