

Consulting and Training | Reach New Heights

Course Name

Detecting Fraud with Data Analytics

Sector Name

Audit, Risk and Governance

Document Type

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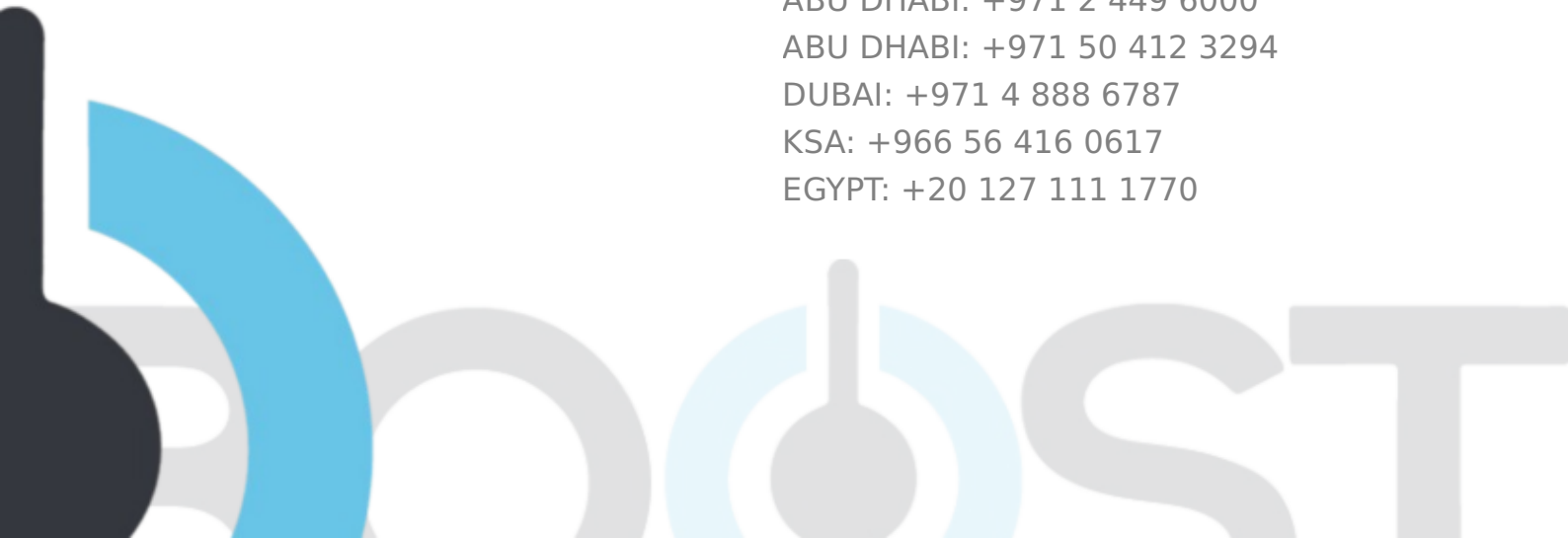
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Detecting Fraud with Data Analytics

Course Introduction

Fraud continues to pose a significant threat to organizations across all sectors, impacting financial performance, reputation, and stakeholder trust. As fraud schemes become more complex and data volumes continue to grow, traditional detection methods alone are no longer sufficient. Organizations increasingly rely on data analytics to identify unusual patterns, detect anomalies, and uncover potential fraud risks proactively.

The Detecting Fraud with Data Analytics course is designed for professionals who have foundational knowledge of fraud, audit, or data concepts and are seeking to enhance their capabilities through analytical approaches.

Within BOOST, this program focuses on equipping participants with the skills to apply data analytics techniques to support fraud detection, prevention, and investigation activities.

The course emphasizes practical understanding of how data can be used to identify red flags, analyze transactions, and support evidence-based conclusions. Participants explore common fraud schemes, relevant data sources, analytical methods, and the

interpretation of results within audit, compliance, and investigative contexts.

By combining fraud risk knowledge with applied analytics concepts, this program enables participants to move from reactive detection toward proactive, data-driven fraud risk management.

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Detecting Fraud with Data Analytics

Target Audience

- ✓ Internal auditors and audit supervisors
- ✓ Fraud examiners and investigators
- ✓ Risk management and compliance professionals
- ✓ Finance and accounting professionals
- ✓ Data analysts supporting audit or compliance functions
- ✓ Governance and assurance professionals
- ✓ Public and private sector professionals involved in fraud detection

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Detecting Fraud with Data Analytics

Learning Objectives

- ✓ Understand the role of data analytics in fraud detection
- ✓ Identify common fraud schemes and related data indicators
- ✓ Use analytical techniques to detect anomalies and red flags
- ✓ Select appropriate data sources for fraud analysis
- ✓ Apply basic and intermediate analytics methods in fraud scenarios
- ✓ Interpret analytical results to support fraud conclusions
- ✓ Integrate data analytics into audit and investigation processes
- ✓ Strengthen fraud prevention and detection capabilities

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Detecting Fraud with Data Analytics

Course Outline

✓ DAY 01

Fraud Fundamentals and the Role of Data Analytics

- ✓ Overview of fraud types and schemes
- ✓ Fraud risk factors and red flags
- ✓ Limitations of traditional fraud detection methods
- ✓ Role of data analytics in fraud prevention and detection
- ✓ Fraud detection versus fraud investigation
- ✓ Ethical and legal considerations

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Detecting Fraud with Data Analytics

Course Outline

✓ Day 02

Data Sources and Preparation for Fraud Analysis

- ✓ Identifying relevant data for fraud detection
- ✓ Financial, operational, and transactional data sources
- ✓ Data quality, integrity, and reliability considerations
- ✓ Data extraction and preparation concepts
- ✓ Understanding data relationships and structures
- ✓ Common data challenges in fraud analytics

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Detecting Fraud with Data Analytics

Course Outline

✓ Day 03

Analytical Techniques for Fraud Detection

- ✓ Descriptive analytics and trend analysis
- ✓ Exception and threshold analysis
- ✓ Benford's Law and statistical indicators
- ✓ Duplicate and gap analysis
- ✓ Pattern recognition and outlier detection
- ✓ Applying analytics to common fraud scenarios

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Detecting Fraud with Data Analytics

Course Outline

✓ Day 04

Interpreting Results and Supporting Investigations

- ✓ Interpreting analytical outputs responsibly
- ✓ Distinguishing anomalies from confirmed fraud
- ✓ Documenting analytical procedures and findings
- ✓ Using analytics to support investigations
- ✓ Communicating results to stakeholders
- ✓ Managing false positives and investigation risks

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Course Outline

✓ Day 05

Integrating Fraud Analytics into Organizational Practice

- ✓ Embedding analytics into audit and fraud programs
- ✓ Continuous monitoring and fraud risk assessment
- ✓ Collaboration between audit, compliance, and data teams
- ✓ Governance and oversight of fraud analytics
- ✓ Lessons learned from fraud analytics cases
- ✓ Developing a fraud analytics action plan

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Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
April 5, 2027	April 9, 2027	5 days	5950.00 \$	switzerland , Geneva
June 7, 2027	June 11, 2027	5 days	4250.00 \$	UAE , Dubai
July 26, 2027	July 30, 2027	5 days	4250.00 \$	UAE , Abu Dhabi
Oct. 19, 2026	Oct. 23, 2026	5 days	4250.00 \$	UAE , Abu Dhabi

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