

Data Analytics Tools for Internal Audit

Online

10 - 14 January 2027

UK Training

PARTNER



Data Analytics Tools for Internal Audit

Code: QM32 From: 10 - 14 January 2027 City: Online Fees: 2200 Pound

Introduction

In the era of digital transformation, Data Analytics Tools for Internal Audit have become a cornerstone for enhancing audit efficiency, accuracy, and strategic insight.

This course equips participants with the practical knowledge and analytical techniques required to leverage data analytics in improving audit quality, identifying risks, and supporting evidence-based decision-making.

Through interactive exercises and real-world case studies, participants will learn how to collect, clean, and analyze data effectively, using modern analytical tools to uncover hidden patterns and anomalies.

The program emphasizes a practical, hands-on learning approach designed to help auditors build confidence in integrating data analytics into their daily audit activities for improved governance and performance.

Course Objectives

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

- Understand the importance of data analytics in internal auditing and its role in strengthening transparency and control.
- Apply data analysis techniques to identify errors, irregularities, and operational risks.
- Utilize data analytics tools to extract key insights from large data sets.
- Design analytical reports that support decision-making and highlight areas for improvement.
- Integrate statistical and predictive models into the audit process for enhanced outcomes.
- Combine traditional auditing approaches with data-driven methods for better efficiency and accuracy.
- Develop analytical thinking and problem-solving skills based on data evidence.

Course Outlines

Day 1: Introduction to Data Analytics in Internal Audit

- Understanding the concept and importance of data analytics in auditing.
- Types of data used in internal audit processes.
- The data analysis lifecycle: from data collection to insight generation.
- Overview of key digital tools supporting data-driven auditing.
- Case study: detecting errors in financial transactions using data analytics.

Day 2: Data Collection and Organization

- Identifying internal and external data sources for audit purposes.
- Data cleaning, validation, and quality assurance techniques.
- Structuring audit databases for efficient analysis.

The logo for UK Training Partner features the text 'UK Training' in a small, black sans-serif font above the word 'PARTNER' in a large, bold, black sans-serif font. The background of the logo is a stylized chessboard with several chess pieces (a king, a queen, and a pawn) in gold and silver, set against a backdrop of concentric circles.

- Managing large datasets and ensuring data security.
- Workshop: building a structured data repository for audit analysis.

Day 3: Analytical Tools and Their Applications in Auditing

- Applying pivot tables and descriptive statistics to analyze data.
- Detecting trends, anomalies, and variances across transactions.
- Using data visualization tools for interactive reporting.
- Leveraging automation in data verification and reconciliation.
- Practical session: detecting unusual patterns using analytical dashboards.

Day 4: Advanced Analytics and Risk Detection

- Applying predictive analytics to assess future risks.
- Fraud detection using analytical modeling and machine logic.
- Developing key performance indicators KPIs for audit efficiency.
- Using multivariate analysis for comprehensive risk assessment.
- Group exercise: designing a data-based risk evaluation framework.

Day 5: Reporting and Continuous Improvement

- Creating dynamic and interactive audit dashboards.
- Presenting analytical findings effectively to management.
- Integrating analytics into audit planning and execution cycles.
- Building sustainable data-driven audit methodologies.
- Final project: preparing a complete audit report using analytical techniques.

Why Attend This Course: Wins & Losses!

- Gain hands-on expertise in Data Analytics Tools for Internal Audit and real-world applications.
- Strengthen your ability to detect risks, errors, and irregularities early.
- Improve the accuracy, depth, and reliability of audit findings.
- Enhance productivity by automating and streamlining audit workflows.
- Develop analytical thinking and proficiency with digital audit tools.
- Support strategic and evidence-based decision-making within your organization.
- Build the capability to design data-driven audit frameworks and dashboards.
- Elevate the internal audit function's role as a key driver of organizational performance.

Conclusion

Mastering Data Analytics Tools for Internal Audit is no longer optional – it is an essential capability for modern auditors and organizations seeking transparency, efficiency, and innovation. This course enables participants to combine analytical thinking with professional audit practices, empowering them to implement smarter, data-driven methodologies that create measurable value.

By adopting these tools and techniques, internal auditors can anticipate risks, strengthen governance, and deliver strategic insights that enhance both performance and trust across the organization.

A graphic of a chessboard with several chess pieces (king, queen, rook, knight, and pawns) in gold and silver. The text 'UK Training PARTNER' is overlaid on the board.

UK Training
PARTNER

Blackbird Training Clients

 MANNAI CORPORATION MANNAI Trading Company WLL, Qatar	 GAC UNE FILIALE D' EGA Alumina Corporation Guinea	 Booking.com Booking.com Netherlands	 OXFAM Oxfam GB International Organization, Yemen	 Capital Markets Authority Kuwait
 Waltersmith Waltersmith Petroman Oil Limited Nigeria	 QNB Qatar National Bank (QNB), Qatar	 Qatar Foundation Qatar	 AFRICAN UNION ADVISORY BOARD ON CORRUPTION Tanzania	 KFAS KFS Kuwait
 Reserve Bank of Malawi Malawi	 Central Bank of Nigeria Nigeria	 Ministry of Interior Kingdom of Saudi Arabia KSA	 Mabruk Oil Company Libya	 Saudi Electricity Company KSA
 BPKH Badan Pengelola Keuangan Haji BADAN PENGELOLA KEUANGAN Haji, Indonesia	 NATO Italy	 ENI ENI CORPORATE UNIVERSITY, Italy	 GULF BANK Gulf Bank Kuwait	 General Organization for Social Insurance KSA
 Defence Space Administration Nigeria	 National Industries Group (Holding) Kuwait	 Hamad Medical Corporation Qatar	 USAID Pakistan	 STC STC Solutions, KSA
 North Oil Company North Oil company,	 EKO Electricity EKO Electricity	 OMAN BROADBAND Oman Broadband	 UNITED NATIONS UN.	 Authority for Electricity Regulation, Oman Authority for

UK Training
PARTNER

Blackbird Training Categories

Management & Admin

Entertainment & Leisure
Professional Skills
Finance, Accounting, Budgeting
Media & Public Relations
Project Management
Human Resources
Audit & Quality Assurance
Marketing, Sales, Customer Service
Secretary & Admin
Supply Chain & Logistics
Management & Leadership
Agile and Elevation

Technical Courses

Artificial Intelligence (AI)
Sustainability, ESG & Corporate Responsibility
Advanced Courses
Hospital Management
Public Sector
Special Workshops
Oil & Gas Engineering
Telecom Engineering
IT & IT Engineering
Health & Safety
Law and Contract Management
Customs & Safety
Aviation
C-Suite Training