



# PAN AFRICAN

Learning and Growth Network

## DATA ANALYSIS FOR INTERNAL AUDITING

Boosting Audit Efficiency through  
Data Analysis Training Workshop



**SANDTON LODGE HOTEL**  
Corner 12th Avenue and River Road  
RIVONIA [Edenburg on GPS]  
Johannesburg,  
South Africa

**16-20  
JUNE  
2025**

**FROM  
8:30  
TILL 4PM**

**REGISTRATIONS FEES  
USD2,500**

**FEE INCLUDES**

TRAINING MATERIALS  
MEALS & REFRESHMENTS DURING THE DAY  
AIRPORT PICKUP AND DROP OFF  
HOTEL PICKUP AND DROP OFF  
DELEGATE LAPTOP  
¼ DAY TOUR TO TOURIST ATTRACTION SITES

**FEE EXCLUDES**

DINNER AND ACCOMMODATION



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## INTRODUCTION

Data Analysis for Internal Auditing course is essential for professionals looking to enhance their auditing capabilities with data-driven insights. In today's data-centric world, internal auditors need more than traditional auditing skills; they need advanced data analysis techniques to identify risks, detect anomalies, and provide actionable insights. This training course equips you with the knowledge and tools to leverage data effectively, transforming your auditing process from routine checks to proactive, strategic decision-making.

By attending this course, you'll learn how to utilize modern data analysis tools and methodologies to improve audit quality and efficiency. You'll gain practical experience with real-world datasets, learning how to extract meaningful patterns and insights that can drive value for your organization. With a focus on hands-on learning and interactive exercises, this training course will empower you to make data-driven decisions, enhance compliance, and uncover hidden opportunities. Whether you're looking to enhance your existing skill set or pivot to a more analytical approach in your auditing career, this training course provides the comprehensive training you need to stay ahead in the field.

### COURSE HIGHLIGHTS:

- **Key Concepts of Data Analytics:** Understand the core principles of data analysis and their application in internal auditing.
- **Data-Driven Audit Strategies:** Learn how to design and implement audit plans using advanced data analytics techniques.
- **Practical Tools and Techniques:** Gain proficiency in using data analysis tools such as Excel, SQL, and specialized auditing software.
- **Risk Identification and Mitigation:** Discover how to leverage data to identify potential risks and implement effective controls.

### OBJECTIVES

- Understand the principles of data analytics in auditing.
- Develop data-driven audit strategies and approaches.
- Analyze datasets to identify patterns and anomalies.
- Apply advanced tools for effective data analysis.
- Design risk management frameworks using data insights.

### TRAINING METHODOLOGY

The "Data Analysis for Internal Auditing" training course employs a blend of interactive lectures, hands-on exercises to enhance learning. Participants will engage in group discussions and collaborative projects to foster peer learning and practical application of concepts. The training course also features live demonstrations of data analysis tools and techniques, ensuring participants gain practical experience. Continuous feedback and assessments help reinforce understanding and skill development throughout the training course.

### ORGANIZATIONAL IMPACT

- Improve audit accuracy and efficiency.
- Strengthen internal controls and compliance measures.
- Enhance data-driven decision-making capabilities.
- Foster a culture of proactive risk management.
- Increase resilience against potential risks.
- Drive continuous improvement and operational excellence.

### PERSONAL IMPACT

- Gain expertise in advanced data analysis techniques.
- Enhance skills in identifying and managing risks.
- Learn to use data analytics tools effectively.
- Hone abilities to make data-driven decisions.
- Improve audit planning and execution strategies.
- Boost career growth with in-demand analytical skills.

## WHO SHOULD ATTEND?

- Internal Auditors looking to integrate data analytics into their auditing processes.
- Compliance Officers aiming to strengthen their understanding of data-driven compliance strategies.
- Risk Managers who want to enhance their ability to identify and mitigate risks using data
- Finance Professionals interested in improving audit accuracy and efficiency through analytics.
- Data Analysts working in audit or compliance roles seeking to apply their skills more effectively.
- Business Managers responsible for overseeing internal controls and audit processes.
- All professionals seeking to enhance their data analysis skills for auditing purposes. It is suitable for individuals looking to improve risk management and decision-making within their organizations.

## COURSE OUTLINE

### Introduction to Data Analysis and Auditing

- Overview of Data Analysis in Auditing
- Fundamentals of Data Analytics
- Understanding Audit Objectives
- Data Collection Methods
- Data Cleaning and Preparation
- Introduction to Data Analysis Tools

### Integrating Data Analysis With Audit Processes

- Designing Data-Driven Audit Plans
- Risk Assessment and Data Analytics
- Creating Effective Audit Queries
- Data Sampling Techniques
- Benchmarking and Performance Metrics
- Integrating Analytical Findings into Reports

### Applying Skills and Future Trends

- Practical Application of Skills
- Ethics and Data Privacy in Auditing
- Emerging Trends in Data Analytics
- Developing a Data-Driven Audit Strategy
- Communicating Findings Effectively
- Evaluating Audit Performance

### Advanced Data Analysis Techniques

- Exploratory Data Analysis (EDA)
- Statistical Analysis Methods
- Data Visualization Techniques
- Trend Analysis
- Anomaly Detection
- Data Correlation and Regression Analysis

### Advanced Tools and Techniques

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- Statistical Analysis Methods
- Data Visualization Techniques
- Trend Analysis
- Anomaly Detection
- Data Correlation and Regression Analysis

## Certificates

On successful completion of this training course, PALGNET Certificate will be awarded to the delegates

## REGISTRATION FEES

**\$2,500**

### Fee Includes

- Training Materials
- Meals & refreshments during the day

### Fee Excludes

- Dinner and Accommodation

- Airport pickup and drop off
- Hotel Pickup and drop off
- Delegate Laptop
- ½ day tour to tourist attraction sites



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Welcome to the Sandton Lodge Rivonia, we extend a very warm welcome and trust your upcoming stay or conference with us will be both enjoyable and comfortable.



The Simama Hotels Sandton Lodge Rivonia offers business services and facilities. Our 34 Suites are all strictly non-smoking and have; Air-conditioning and Heating, Tea and Coffee Facilities, DSTV Decoder, a Mini-Bar Fridge [Stocked on request] and complimentary Broadband WIFI Internet Access with Secure on-site Parking available. As part of our continued guest-safety measures and growing international trend, the Sandton Lodge Hotel is a cashless establishment, for your convenience all major Credit and Debit cards are accepted in addition to Snap-Scan and Apple-Pay facilities.