Datastat Research
Building Capacity in Training and Research

# DATASTAT TRAINING IN

OFFICIAL COURSE PROSPECTUS

Center for Advanced Research & Professional Development

Nairobi Training Center • Global Virtual Academy • Corporate On-Site

ENTERPRISE RESOURCE PLANNING (ERP)

# ERP Reporting and Analytics Training Course

Comprehensive Course Syllabus, Practical Modules & Upcoming Schedules

## PROGRAM SPECIFICATIONS & HIGHLIGHTS

DURATION
**10 Days Practical Hands-on**

DELIVERY MODES
**In-Person Class & Live Virtual**

CERTIFICATION
**Accredited Certificate of Completion**

INTAKES / DATES
**Multiple Cohort Schedules Included**

PREPARED FOR:

**Valued Participant**

Email: training@datastatresearch.org | Issued: November 21, 2026

**Academic & Professional Training Year: 2026**

**DATASTAT TRAINING INSTITUTE**

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# ERP Reporting and Analytics Training Course

**Enterprise Resource Planning (ERP) • 10 Days Intensive • Accredited Certification**

## Course Overview

ERP Reporting and Analytics Training Course equips professionals with the skills to transform raw ERP data into actionable insights using advanced business intelligence (BI) and data visualization tools.

## Upcoming Training Schedules

Confirmed cohort intakes and venues. Both physical in-person classroom and live virtual online seats are available.

| TRAINING DATES | LOCATION / VENUE | FORMAT / DURATION | INVESTMENT (FEE) |
|---|---|---|---|
| **29 Dec 2025 – 9 Jan 2026** | Nairobi | Classroom / 10d | **$3,000 USD / KES 220,000** |
| **29 Dec 2025 – 9 Jan 2026** | Kigali | Classroom / 10d | **$6,000 USD / KES 110,000** |
| **29 Dec 2025 – 9 Jan 2026** | Dubai | Classroom / 10d | **$10,000 USD / KES 110,000** |
| **29 Dec 2025 – 9 Jan 2026** | Cape Town | Classroom / 10d | **$9,000 USD / KES 110,000** |
| **29 Dec 2025 – 9 Jan 2026** | Addis Ababa | Classroom / 10d | **$6,000 USD / KES 110,000** |
| **29 Dec 2025 – 9 Jan 2026** | Singapore | Classroom / 10d | **$10,000 USD / KES 110,000** |
| **29 Dec 2025 – 9 Jan 2026** | Istanbul | Classroom / 10d | **$10,000 USD / KES 110,000** |
| **29 Dec 2025 – 9 Jan 2026** | Bangkok | Classroom / 10d | **$10,000 USD / KES 110,000** |
| **29 Dec 2025 – 9 Jan 2026** | Accra | Classroom / 10d | **$8,000 USD / KES 110,000** |
| **12 Jan 2026 – 23 Jan 2026** | Nairobi | Classroom / 10d | **$3,000 USD / KES 220,000** |
| **12 Jan 2026 – 23 Jan 2026** | Kigali | Classroom / 10d | **$6,000 USD / KES 110,000** |
| **12 Jan 2026 – 23 Jan 2026** | Dubai | Classroom / 10d | **$10,000 USD / KES 110,000** |

* Corporate discounts and customized cohort scheduling are available for teams of 3 or more participants.

## Course Curriculum & Modules

**ERP Reporting and Analytics Training Course**

**Introduction**

**In today's data-driven business environment, organizations rely on Enterprise Resource Planning (ERP) systems to integrate, automate, and optimize their operations. ERP Reporting and Analytics Training Course equips professionals with the skills to transform raw ERP data into actionable insights using advanced business intelligence (BI) and data visualization tools. This program emphasizes real-time analytics, predictive reporting, and data storytelling to support strategic decision-making and enhance organizational performance.**

**Participants will gain hands-on expertise in ERP dashboards, custom report generation, KPI monitoring, and data modeling. Through practical case studies and simulations using platforms such as SAP, Oracle, and Microsoft Dynamics 365, learners will master how to extract, analyze, and present enterprise data effectively. This course blends technical analytics skills with strategic business intelligence competencies, preparing participants for high-demand roles in ERP analytics, data management, and digital transformation.**

**Course Duration**

**10 days**

### Course Objectives

- Understand ERP system architecture and its data integration framework.
- Learn advanced ERP reporting techniques for real-time analytics.
- Build custom dashboards using tools like Power BI and Tableau.
- Analyze KPIs and performance metrics to support data-driven decisions.

- Apply predictive analytics for demand forecasting and trend analysis.
- Enhance data visualization and storytelling for management reporting.
- Implement data governance and security best practices in ERP systems.
- Leverage AI and machine learning for ERP data optimization.
- Utilize SQL and data warehousing for effective report automation.
- Integrate cross-functional analytics across finance, supply chain, and HR.
- Apply real-world ERP analytics case studies for practical learning.
- Develop strategic decision-support reports for executives.
- Prepare for career advancement in ERP reporting, BI, and analytics roles.

Target Audience

- ERP Analysts and Administrators
- Business Intelligence (BI) Professionals
- Data Analysts and Data Scientists
- Financial and Supply Chain Managers
- IT Professionals and System Integrators
- Project Managers and ERP Consultants
- Operations and Planning Executives
- Digital Transformation Leaders

Course Modules

### Module 1: ERP Systems Overview

- Understanding ERP architecture and modules
- Data flow across business functions
- Master data management concepts
- ERP deployment models
- Case Study: SAP S/4HANA implementation at Siemens

### Module 2: ERP Data Structures

- ERP database schema overview
- Key tables and relationships
- Data extraction methods
- Common data integrity challenges
- Case Study: Oracle ERP Cloud data mapping

### Module 3: Fundamentals of ERP Reporting

- Types of ERP reports
- Standard vs custom reporting
- Report lifecycle management
- Data query tools and techniques
- Case Study: Microsoft Dynamics 365 reporting workflow

### Module 4: Business Intelligence and ERP Integration

- BI concepts and frameworks
- ERP-BI system integration
- OLAP cubes and data marts
- Automating report distribution
- Case Study: Power BI integration with SAP

### Module 5: Data Visualization and Dashboards

- Dashboard design principles
- KPI tracking and data storytelling
- Visualization best practices
- Tools comparison

- Case Study: Coca-Cola dashboard optimization

### Module 6: Advanced ERP Analytics

- Predictive and prescriptive analytics
- Machine learning integration
- Time series forecasting
- Data correlation and regression models
- Case Study: Predictive analytics in Oracle Fusion ERP

### Module 7: Financial Reporting Analytics

- Profitability and cost center analysis
- Budget variance tracking
- Cash flow and balance sheet automation
- Consolidation and drill-down reports
- Case Study: SAP FI analytics at a manufacturing firm

### Module 8: Supply Chain and Inventory Analytics

- Demand and supply forecasting
- Inventory turnover and optimization
- Procurement and vendor analytics
- Logistics performance monitoring
- Case Study: ERP analytics for Walmart's supply chain

### Module 9: HR and Payroll Analytics

- Workforce planning and headcount analysis
- Compensation and performance tracking
- Attrition and retention analytics
- HR dashboards for leadership
- Case Study: HR analytics in Workday ERP

### Module 10: Data Governance and Compliance

- Data privacy laws
- Role-based access control
- Audit trails and version control
- Data validation frameworks
- Case Study: Compliance analytics at Deloitte

### Module 11: Report Automation and Scheduling

- Scheduling reports in ERP
- Workflow automation
- Notification and alert systems
- Performance optimization
- Case Study: Automated financial reporting in SAP

### Module 12: SQL for ERP Reporting

- Writing queries for ERP databases
- Joins, aggregations, and subqueries
- Stored procedures and functions
- Query optimization techniques
- Case Study: Custom SQL reports for Oracle ERP

### Module 13: Data Warehousing Concepts

- ETL process and data pipelines
- Centralized vs federated data models
- Data lake integration

- Cloud-based analytics platforms
- Case Study: Azure Data Warehouse with Dynamics 365

### Module 14: ERP Reporting Strategy and Management

- Aligning reports with business objectives
- Stakeholder communication
- Report standardization policies
- Performance review and improvement
- Case Study: Strategic reporting at IBM ERP systems

### Module 15: Capstone Project

- End-to-end ERP analytics project
- Designing executive dashboards
- Presenting insights to stakeholders
- Assessment and feedback session
- Case Study: Comprehensive ERP analytics for a global enterprise

Training Methodology

This course employs a participatory and hands-on approach to ensure practical learning, including:

- Interactive lectures and presentations.
- Group discussions and brainstorming sessions.
- Hands-on exercises using real-world datasets.
- Role-playing and scenario-based simulations.
- Analysis of case studies to bridge theory and practice.
- Peer-to-peer learning and networking.
- Expert-led Q&A sessions.
- Continuous feedback and personalized guidance.

Register as a group from 3 participants for a Discount

Send us an email: info@datastatresearch.org or call +254724527104

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to DATASTAT CONSULTANCY LTD account, as indicated in the invoice so as to enable us prepare better for you.

### Certification & Learning Methodology

- Hands-on practical delivery with real-world datasets, case studies, and lab exercises.
- Post-training mentorship, access to class resources, and customized follow-up support.
- Participants who successfully complete the course receive an accredited Datastat Certificate of Completion.

## How to Enroll & Reserve Your Seat

1. Online Registration: Visit https://datastatresearch.org/courses/erp-reporting-and-analytics-training-course to register online.
2. Email Booking: Send participant details to training@datastatresearch.org for official invoice & reservation.
3. Support & Assistance: Inquire via phone +254 724 527 104 | +254 734 969 612.