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)

Real-time Reporting with HANA and In-Memory DBs Training Course

Comprehensive Course Syllabus, Practical Modules & Upcoming Schedules

PROGRAM SPECIFICATIONS & HIGHLIGHTS

DURATION
5 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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Real-time Reporting with HANA and In-Memory DBs Training Course

Enterprise Resource Planning (ERP) • 5 Days Intensive • Accredited Certification

Course Overview

Real-time Reporting with HANA and In-Memory DBs Training Course empowers professionals to harness the power of SAP HANA, in-memory computing, and advanced analytics for lightning-fast data processing.

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 – 2 Jan 2026	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
29 Dec 2025 – 2 Jan 2026	Kigali	Classroom / 5d	**$3,000 USD / KES 90,000**
29 Dec 2025 – 2 Jan 2026	Dubai	Classroom / 5d	**$5,000 USD / KES 90,000**
29 Dec 2025 – 2 Jan 2026	Cape Town	Classroom / 5d	**$4,500 USD / KES 90,000**
29 Dec 2025 – 2 Jan 2026	Addis Ababa	Classroom / 5d	**$3,000 USD / KES 90,000**
29 Dec 2025 – 2 Jan 2026	Singapore	Classroom / 5d	**$5,000 USD / KES 90,000**
29 Dec 2025 – 2 Jan 2026	Istanbul	Classroom / 5d	**$5,000 USD / KES 90,000**
29 Dec 2025 – 2 Jan 2026	Bangkok	Classroom / 5d	**$5,000 USD / KES 90,000**
29 Dec 2025 – 2 Jan 2026	Accra	Classroom / 5d	**$4,000 USD / KES 90,000**
5 Jan 2026 – 9 Jan 2026	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
5 Jan 2026 – 9 Jan 2026	Kigali	Classroom / 5d	**$3,000 USD / KES 90,000**
5 Jan 2026 – 9 Jan 2026	Dubai	Classroom / 5d	**$5,000 USD / KES 90,000**

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

Course Curriculum & Modules

Real-time Reporting with HANA and In-Memory DBs Training Course

Introduction

In today’s fast-paced business environment, organizations demand real-time insights to drive strategic decision-making and gain a competitive edge. Real-time Reporting with HANA and In-Memory DBs Training Course empowers professionals to harness the power of SAP HANA, in-memory computing, and advanced analytics for lightning-fast data processing. Participants will gain hands-on experience in building dynamic dashboards, live reporting solutions, and data-driven strategies that transform raw data into actionable intelligence. With a focus on scalability, efficiency, and high-performance analytics, this course equips learners to optimize business operations and improve decision-making across industries.

This comprehensive program combines theoretical knowledge with practical case studies, interactive workshops, and real-world projects to ensure learners can immediately apply their skills in a professional environment. From understanding data modeling, columnar databases, and real-time ETL processes, to mastering predictive analytics and self-service reporting, this course is designed to produce experts who can unlock the full potential of HANA in-memory technology. Whether you are a data analyst, BI developer, or IT consultant, this training provides the tools and strategies required to thrive in today’s data-driven economy.

Course Duration

5 days

Course Objectives

- Understand SAP HANA architecture and in-memory computing principles.

- Master real-time data processing and stream analytics.
- Develop dynamic dashboards using HANA Live Views.
- Implement data modeling techniques for high-performance reporting.
- Optimize query performance with columnar databases.
- Execute real-time ETL processes with HANA Smart Data Integration.
- Leverage predictive analytics for actionable business insights.
- Integrate SAP HANA with BI tools like SAP Analytics Cloud.
- Enable self-service reporting for business users.
- Apply security best practices for sensitive enterprise data.
- Troubleshoot performance bottlenecks in real-time reporting systems.
- Explore case studies of successful HANA implementations.
- Develop scalable, enterprise-ready reporting solutions.

Target Audience

- Business Intelligence (BI) Analysts
- Data Analysts and Data Scientists
- SAP HANA Developers and Consultants
- IT Managers and System Architects
- Business Process Analysts
- Enterprise Data Managers
- Reporting Specialists
- Decision-makers seeking data-driven insights

Course Modules

Module 1: Introduction to SAP HANA & In-Memory Databases

- Overview of SAP HANA architecture
- In-memory vs. traditional databases
- Key advantages for real-time analytics
- Use cases in finance, retail, and manufacturing
- Case Study: How a retail giant reduced reporting latency by 70%

Module 2: Data Modeling in HANA

- Attribute, analytic, and calculation views
- Columnar storage concepts
- Data modeling best practices
- Performance optimization techniques
- Case Study: Streamlining supply chain analytics using HANA views

Module 3: Real-time Reporting Techniques

- Understanding HANA Live reporting
- Configuring real-time dashboards
- Query optimization strategies
- Integrating HANA with SAP Analytics Cloud
- Case Study: Real-time sales reporting for a global FMCG company

Module 4: Advanced Analytics & Predictive Modeling

- Introduction to predictive analytics in HANA
- Creating forecasting models
- Using text and spatial analytics
- Scenario planning for business decision-making
- Case Study: Predictive maintenance in the manufacturing sector

Module 5: Data Integration & ETL in Real-Time

- HANA Smart Data Integration overview

- Replication techniques and tools
- Real-time vs batch processing
- Best practices for data quality management
- Case Study: Financial institution achieving near-zero latency reporting

Module 6: Performance Tuning & Optimization

- Query performance monitoring
- Indexing strategies and compression techniques
- Memory management best practices
- Troubleshooting slow reports
- Case Study: Optimizing a logistics dashboard to reduce load time by 60%

Module 7: Security & Compliance in HANA

- Role-based access control
- Data encryption techniques
- Auditing and compliance monitoring
- Security for cloud vs on-prem HANA deployments
- Case Study: Implementing GDPR-compliant reporting workflows

Module 8: Capstone Project & Industry Applications

- Building a real-time reporting solution end-to-end
- Integrating multiple data sources
- Applying analytics and predictive models
- Presenting actionable insights to stakeholders
- Case Study: Multi-national enterprise transforming data into strategic decisions

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/real-time-reporting-with-hana-and-in-memory-dbs-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.