Strategic Data Management in Banking and Finance Training Course

14 - 18 Dec 2026

Cairo

3700 € (Per Person)

Ref: #DM7534_272781

Course Introduction / Overview:

In the contemporary financial landscape, data is not merely a byproduct of transactions but the most critical asset for strategic decision-making, risk management, and regulatory compliance. This intensive training course is meticulously designed to equip professionals with the essential skills to manage and govern financial data effectively. As highlighted by data quality expert Thomas C. Redman in his seminal work, "Data Driven: Profiting from Your Most Important Business Asset," the ability to harness high-quality data is a paramount competitive differentiator. This program delves into the complete data lifecycle within banking and finance, from creation and storage to analysis and disposal. Participants will explore robust data governance frameworks, navigate the complex web of regulations like BCBS 239 and GDPR, and master techniques for ensuring data quality and integrity. BIG BEN Training Center has developed this course to bridge the gap between theoretical knowledge and practical application, empowering attendees to build secure, compliant, and value-driven data management systems that mitigate risk and unlock new opportunities for growth and innovation in a data-centric financial world.

Target Audience / This training course is suitable for:

- Data Analysts and Scientists.
- Risk Management Professionals.
- Compliance and Audit Officers.
- IT Managers and Data Architects.
- Financial Controllers and Accountants.
- Operations Managers in Financial Institutions.
- Business Intelligence Professionals.
- Product and Project Managers in the financial sector.

Target Sectors and Industries:

- Commercial and Retail Banking.
- Investment Banking and Capital Markets.
- Insurance and Asset Management.
- Financial Technology (FinTech) and Payment Services.
- Credit Unions and Cooperative Banks.
- Private Equity and Venture Capital Firms.
- Governmental financial regulatory bodies and central banks.

Target Organizations Departments:

- Information Technology (IT) and Data Management.
- Risk Management and Analytics.
- Compliance and Legal.
- Finance and Accounting.
- Internal Audit and Control.
- Operations and Business Units.
- Customer Relationship Management (CRM).

Course Offerings:

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

- Develop and implement a comprehensive data governance framework tailored for financial institutions.
- Ensure adherence to critical financial data regulations, including BCBS 239, GDPR, and AML requirements.
- Establish robust data quality controls and remediation processes to ensure accuracy and reliability.
- Design and manage secure data architectures that protect sensitive financial information.
- Master the principles of Master Data Management (MDM) for critical data domains like customer and product.
- Utilize data lineage techniques to trace data flows for audit and reporting purposes.
- Leverage data analytics for enhanced risk modeling, fraud detection, and strategic insights.
- Evaluate and implement emerging technologies like cloud data platforms and AI in financial data management.

Course Methodology:

The training methodology at BIG BEN Training Center is designed to be highly interactive, practical, and engaging, ensuring that participants can immediately apply their learning in their professional roles. This course moves beyond traditional lectures by integrating a dynamic blend of expert-led presentations, real-world case studies from the financial industry, and collaborative group workshops. Participants will analyze scenarios involving data breaches, regulatory failures, and successful data governance implementations to understand the practical challenges and solutions. Interactive sessions will encourage debate and discussion on topics like data ethics and the impact of AI on financial data management. Hands-on exercises will allow attendees to practice skills such as creating data quality scorecards and mapping data lineage. A significant emphasis is placed on peer-to-peer learning, where professionals from diverse backgrounds can share experiences and best practices. Continuous feedback from the instructor ensures that all participants grasp the core concepts and are confident in their ability to implement strategic data management initiatives within their organizations.

Course Agenda (Course Units):

Unit One: Foundations of Financial Data Management

- Introduction to Data as a Strategic Asset in Finance.
- The Financial Data Lifecycle and its Unique Challenges.
- Key Data Domains in Banking (Customer, Product, Transaction, Risk).
- Understanding Data Architecture and Infrastructure in Financial Institutions.
- The Role of Data Warehousing and Data Lakes.
- Core Principles of Data Management and Governance.
- The Business Case for Strategic Data Management.

Unit Two: Data Governance and Regulatory Compliance

- Establishing a Financial Data Governance Framework.
- Roles and Responsibilities (Data Owners, Stewards, Custodians).
- Navigating Key Regulations (BCBS 239, GDPR, CCPA).
- Data Management for Anti-Money Laundering (AML) and Know Your Customer (KYC).
- Developing Data Policies, Standards, and Procedures.
- The Function of a Data Governance Committee.
- Implementing Data Stewardship Programs Effectively.

Unit Three: Ensuring Data Quality and Integrity

- Defining and Measuring Data Quality Dimensions (Accuracy, Completeness, Timeliness).
- Techniques for Data Profiling and Assessment.
- Data Cleansing and Standardization Processes.
- Root Cause Analysis for Data Quality Issues.
- Implementing Master Data Management (MDM) for a Single Source of Truth.
- The Importance of Metadata Management and Business Glossaries.
- Data Lineage Tracking for Auditability and Impact Analysis.

Unit Four: Data Security and Risk Management

- Principles of Data Security and Privacy in Finance.
- Implementing Access Controls and Data Encryption.
- Managing Cybersecurity Threats to Financial Data.
- Risk Data Aggregation and Reporting (RDARR) Principles.
- Using Data to Enhance Fraud Detection and Prevention.
- Developing a Data Breach Incident Response Plan.
- Ethical Considerations in Financial Data Handling.

Unit Five: Advanced Analytics and Future Trends in Financial Data

- Leveraging Big Data and Analytics for Competitive Advantage.
- The Role of Artificial Intelligence (AI) and Machine Learning (ML) in Financial Services.
- Cloud-Based Data Management Strategies for Banks.
- Data Monetization Opportunities and Ethical Boundaries.
- Building a Data-Driven Culture within the Organization.
- The Future of Financial Data Regulation and Technology.
- Capstone Project Presentation on a Data Management Strategy.

FAQ:

Qualifications required for registering to this course?

There are no requirements.

How long is each daily session, and what is the total number of training hours for the course?

This training course spans five days, with daily sessions ranging between 4 to 5 hours, including breaks and interactive activities, bringing the total duration to 20 - 25 training hours.

Something to think about:

Considering the rapid evolution of AI in finance, how can data management frameworks be designed to be agile enough to support innovation while rigorously upholding ethical standards and regulatory compliance?

What unique qualities does this course offer compared to other courses?

This course distinguishes itself by offering a holistic and sector-specific approach that is uniquely tailored to the complex realities of the banking and financial industries. Unlike generic data management programs, every module, case study, and discussion is framed within the context of financial regulations, risk imperatives, and market dynamics. The curriculum provides a rare synthesis of three critical pillars: strategic governance, regulatory compliance, and advanced technology. Participants will not only learn the "what" of data management principles but the "how" of implementing them within the stringent and high-stakes environment of finance. The program emphasizes practical application over abstract theory, focusing on real-world challenges such as implementing BCBS 239, managing KYC data, and leveraging analytics for fraud detection. Furthermore, the course is forward-looking, dedicating significant time to emerging trends like AI, machine learning, and cloud data strategies, ensuring that participants are prepared not just for today's challenges but for the future of financial data management. This pragmatic, industry-focused, and future-oriented approach provides a depth of learning and direct applicability that is unparalleled.