Data Cleaning for Finance Training Course

Professional Development Training Course Outline

Category	ACCOUNTING & FINANCE	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

Data Cleaning for Finance is a critical discipline in modern financial analytics, enabling organizations to ensure data accuracy, integrity, consistency, and compliance across all financial systems. In today's data-driven economy, financial institutions rely heavily on high-quality datasets for reporting, forecasting, risk management, fraud detection, and regulatory compliance. Data Cleaning for Finance Training Course is designed to equip learners with advanced skills in financial data preprocessing, error detection, outlier management, and structured data transformation using industry-standard tools and techniques.

The course emphasizes practical, hands-on learning aligned with global financial data standards such as IFRS, GAAP, and Basel regulations. Participants will gain deep expertise in data wrangling, ETL processes, and automated data cleaning workflows using modern analytics platforms. With a strong focus on SEO-relevant finance analytics keywords such as financial data quality, data governance, financial reporting accuracy, and predictive financial modeling, this course prepares professionals to meet the growing demand for clean, reliable, and actionable financial data.

Programme Curriculum

Data Cleaning for Finance Training Course

Introduction

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Course Objectives

1. Understand fundamentals of financial data cleaning and preprocessing techniques
2. Apply data validation and integrity checks in financial datasets
3. Identify and remove duplicates, missing values, and anomalies in finance data
4. Implement ETL (Extract, Transform, Load) processes in financial systems
5. Develop skills in financial data standardization and normalization
6. Enhance data accuracy for financial reporting and auditing
7. Apply Python, Excel, and SQL for finance data cleaning tasks
8. Improve compliance with global financial reporting standards (IFRS, GAAP)
9. Detect and correct errors in transactional financial data
10. Build automated workflows for continuous data cleaning
11. Strengthen data governance and data quality frameworks
12. Support financial decision-making with clean datasets
13. Prepare datasets for advanced analytics and machine learning models

Organizational Benefits

- Improved accuracy in financial reporting and auditing
- Enhanced regulatory compliance and risk management
- Reduced operational errors in financial data processing
- Faster financial decision-making through reliable datasets
- Increased efficiency in data management workflows
- Better fraud detection through clean financial data
- Stronger data governance and accountability
- Improved forecasting and financial modeling accuracy
- Reduced costs associated with data errors and reprocessing
- Enhanced trust in financial analytics systems

Target Audiences

- Financial analysts and accountants
- Data analysts in banking and finance
- Auditors and compliance officers
- Investment analysts and portfolio managers
- Risk management professionals
- Business intelligence professionals
- Finance students and graduates
- IT professionals working in financial systems

Course Duration: 5 days

Course Modules

Module 1: Introduction to Financial Data Cleaning

- Overview of financial data ecosystems and importance of data quality
- Common data issues in financial systems (missing, duplicate, inconsistent data)
- Introduction to data cleaning frameworks and workflows
- Tools used in financial data cleaning (Excel, SQL, Python)
- Case Study: Data inconsistencies in a multinational bank reporting system
- Global Example: Banking data cleanup initiative in European financial institutions

Module 2: Data Quality Assessment in Finance

- Understanding data quality dimensions (accuracy, completeness, consistency)
- Techniques for assessing financial dataset integrity
- Data profiling methods for financial records
- Identifying anomalies in transactional data
- Case Study: Data quality failure in retail banking transactions
- Global Example: US-based financial audit data correction project

Module 3: Handling Missing Financial Data

- Types of missing data in financial systems
- Techniques for imputation and data replacement
- Impact of missing data on financial reporting
- Automated methods for handling missing values
- Case Study: Missing data impact on stock market analysis
- Global Example: Asian investment firm data restoration project

Module 4: Duplicate Data Detection and Removal

- Sources of duplicate financial records
- Techniques for identifying redundant entries
- SQL and Python methods for duplicate removal
- Impact of duplication on financial forecasting
- Case Study: Duplicate transactions in insurance claims system
- Global Example: European insurance data consolidation project

Module 5: Financial Data Standardization

- Importance of standard formats in finance
- Currency, date, and unit normalization techniques
- Data transformation best practices
- Ensuring consistency across financial systems
- Case Study: Multi-currency reporting standardization issue
- Global Example: Global banking system currency normalization project

Module 6: ETL Processes in Finance

- Overview of Extract, Transform, Load (ETL) pipelines
- Designing efficient financial ETL workflows
- Data integration from multiple financial sources
- Automation of ETL in finance systems
- Case Study: Failed ETL process in fintech startup
- Global Example: Cloud-based ETL implementation in US financial sector

Module 7: Data Cleaning Tools and Technologies

- Excel advanced cleaning functions for finance
- SQL queries for financial data manipulation
- Python libraries (Pandas, NumPy) for cleaning
- Introduction to financial data platforms
- Case Study: Python-based fraud detection data cleanup
- Global Example: AI-driven data cleaning in UK banking sector

Module 8: Data Governance and Compliance

- Principles of financial data governance
- Regulatory frameworks (IFRS, GAAP, Basel III)
- Data security and privacy in finance
- Building sustainable data governance models
- Case Study: Regulatory compliance failure in audit reporting
- Global Example: Global compliance upgrade in multinational bank

Training Methodology

- Instructor-led classroom and virtual training sessions
- Hands-on practical exercises using real financial datasets
- Case study-based learning approach
- Interactive group discussions and problem-solving activities
- Tool-based demonstrations using Excel, SQL, and Python
- Continuous assessment and feedback sessions

Register as a group from 3 participants for a Discount

Send us an email: info@fineskilltrainingcenter.org or call *+254769199797*

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 Fineskill Training Center account, as indicated in the invoice so as to enable us prepare better for you.

Upcoming Scheduled Sessions

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Online	$1,000
23 Nov 2026	27 Nov 2026	Physical	$1,500
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$4,500
23 Nov 2026	27 Nov 2026	Physical	$6,000

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Physical	$6,000

Ready to enroll or request a customized program? Book online or contact us:

Register Online Now

Email: info@fineskilltrainingcenter.com | Website: www.fineskilltrainingcenter.com