DATASTAT TRAINING IN

OFFICIAL COURSE PROSPECTUS

Center for Advanced Research & Professional Development

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

ACCOUNTING AND FINANCE

Advanced Financial Modelling Using Excel and VBA 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 24, 2026

Academic & Professional Training Year: 2026

DATASTAT TRAINING INSTITUTE

P.O. Box 102802-00101, Nairobi, Kenya

Training Centers: Nairobi • Mombasa • Kigali • Dubai • Live Virtual Academy

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www.datastatresearch.org

Advanced Financial Modelling Using Excel and VBA Training Course

Accounting and Finance • 5 Days Intensive • Accredited Certification

Course Overview

Advanced Financial Modelling Using Excel and VBA Training Course is designed to equip finance professionals with advanced technical skills in financial modelling, spreadsheet automation, and data-driven financial decision-making.

Key Skills & Software Tools Covered

MS Word • Microsoft Excel • Microsoft Visual Basic for Applications (VBA) • and Bloomberg Terminal

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)
30 Nov 2026 – 4 Dec 2026	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
7 Dec 2026 – 11 Dec 2026	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
14 Dec 2026 – 18 Dec 2026	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
21 Dec 2026 – 25 Dec 2026	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
28 Dec 2026 – 1 Jan 2027	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
4 Jan 2027 – 8 Jan 2027	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
11 Jan 2027 – 15 Jan 2027	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
18 Jan 2027 – 22 Jan 2027	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
25 Jan 2027 – 29 Jan 2027	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
1 Feb 2027 – 5 Feb 2027	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
8 Feb 2027 – 12 Feb 2027	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
15 Feb 2027 – 19 Feb 2027	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
22 Feb 2027 – 26 Feb 2027	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
1 Mar 2027 – 5 Mar 2027	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
8 Mar 2027 – 12 Mar 2027	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
15 Mar 2027 – 19 Mar 2027	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
22 Mar 2027 – 26 Mar 2027	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
29 Mar 2027 – 2 Apr 2027	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
5 Apr 2027 – 9 Apr 2027	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
12 Apr 2027 – 16 Apr 2027	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
19 Apr 2027 – 23 Apr 2027	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
26 Apr 2027 – 30 Apr 2027	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
3 May 2027 – 7 May 2027	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**

10 May 2027 – 14 May 2027	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
17 May 2027 – 21 May 2027	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
24 May 2027 – 28 May 2027	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
31 May 2027 – 4 Jun 2027	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
7 Jun 2027 – 11 Jun 2027	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
14 Jun 2027 – 18 Jun 2027	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
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2 Aug 2027 – 6 Aug 2027	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
9 Aug 2027 – 13 Aug 2027	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
16 Aug 2027 – 20 Aug 2027	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
23 Aug 2027 – 27 Aug 2027	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
30 Aug 2027 – 3 Sep 2027	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
6 Sep 2027 – 10 Sep 2027	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
13 Sep 2027 – 17 Sep 2027	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
20 Sep 2027 – 24 Sep 2027	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
27 Sep 2027 – 1 Oct 2027	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
4 Oct 2027 – 8 Oct 2027	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
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13 Dec 2027 – 17 Dec 2027	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**

20 Dec 2027 – 24 Dec 2027	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**

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

Course Curriculum & Modules

Advanced Financial Modelling Using Excel and VBA Training Course

Introduction

Advanced Financial Modelling Using Excel and VBA Training Course is designed to equip finance professionals with advanced technical skills in financial modelling, spreadsheet automation, and data-driven financial decision-making. The course provides comprehensive knowledge of Microsoft Excel, Visual Basic for Applications (VBA), financial forecasting, budgeting, valuation, financial statement modelling, scenario analysis, sensitivity analysis, and investment appraisal. Participants will develop practical expertise in building dynamic financial models, automating repetitive financial tasks, integrating complex financial data, and generating accurate financial reports to support strategic business planning and corporate financial management.

The training explores advanced Excel functions, financial modelling frameworks, VBA programming, macro development, automated reporting, and financial risk analysis. Through practical exercises and global business case studies, participants will learn how to develop integrated financial statements, perform discounted cash flow valuations, assess investment opportunities, and build automated financial dashboards. The course also emphasizes financial model integrity, data validation, error detection, and best practices in spreadsheet governance, enabling organizations to improve financial forecasting accuracy, operational efficiency, investment analysis, and executive decision-making.

Course Objectives

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

- Develop advanced financial models using Excel and VBA.
- Apply financial forecasting and predictive modelling techniques.
- Build integrated financial statements and cash flow projections.
- Automate financial calculations using VBA programming.
- Perform discounted cash flow and corporate valuation analysis.
- Apply scenario planning and sensitivity analysis.
- Develop automated budgeting and financial planning models.
- Utilize advanced Excel formulas and data analysis tools.
- Design interactive financial dashboards and reporting systems.
- Implement financial risk assessment and stress-testing techniques.
- Apply macro automation to financial reporting processes.
- Strengthen financial model accuracy, validation, and governance.
- Support strategic investment decisions through data-driven financial analysis.

Organizational Benefits

- Improved financial forecasting accuracy and reliability.
- Reduced manual reporting and spreadsheet processing time.
- Enhanced financial planning and budgeting efficiency.
- Better investment appraisal and valuation capabilities.
- Improved financial risk identification and management.
- Strengthened management reporting and business intelligence.
- Reduced spreadsheet errors through automated validation.
- Enhanced productivity through VBA-based automation.
- Improved strategic planning and resource allocation.
- Stronger financial transparency and decision-making.

Target Audiences

- Chief Financial Officers and Finance Directors.
- Financial Analysts and Investment Analysts.
- Financial Controllers and Accountants.
- Corporate Finance and Treasury Professionals.
- Budgeting and Financial Planning Managers.
- Investment Banking and Valuation Professionals.

- Risk Management and Business Intelligence Analysts.
- Consultants and Financial Modelling Specialists.

Course Duration: 10 days

Course Modules

Module 1: Advanced Excel for Financial Modelling

- Advanced formulas, functions, and financial calculations.
- Dynamic arrays, lookup functions, and logical formulas.
- Data tables, named ranges, and structured references.
- Spreadsheet architecture and financial model design.
- Financial data management and model organization.
- Case study: Microsoft financial reporting and spreadsheet modelling practices.

Module 2: Financial Modelling Principles and Architecture

- Financial modelling standards and best practices.
- Model structure, assumptions, and input management.
- Historical financial data analysis and normalization.
- Formula consistency and model integrity.
- Model documentation and financial control procedures.
- Case study: Amazon's financial performance modelling.

Module 3: Integrated Financial Statement Modelling

- Income statement forecasting and projections.
- Balance sheet modelling and reconciliation.
- Cash flow statement integration.
- Working capital and capital expenditure forecasting.
- Debt schedules and financial statement linkages.
- Case study: Apple integrated financial statement analysis.

Module 4: Financial Forecasting and Predictive Analysis

- Revenue forecasting and growth assumptions.
- Operating expense and profitability projections.
- Trend analysis and regression techniques.
- Forecasting models using Excel statistical functions.
- Predictive financial planning and performance analysis.
- Case study: Walmart sales forecasting and financial planning.

Module 5: Advanced Budgeting and Financial Planning

- Operating and capital expenditure budgeting.
- Rolling forecasts and flexible budgeting.
- Zero-based budgeting and variance analysis.
- Departmental and consolidated budget modelling.
- Automated budget monitoring and reporting.
- Case study: Unilever's global budgeting and cost management.

Module 6: Corporate Valuation and Discounted Cash Flow Modelling

- Discounted cash flow valuation techniques.
- Weighted Average Cost of Capital calculations.
- Terminal value and enterprise valuation.
- Free cash flow projections and discounting.
- Equity valuation and investment return analysis.
- Case study: Tesla corporate valuation and investment analysis.

Module 7: Sensitivity Analysis and Scenario Planning

- Best-case, base-case, and worst-case scenarios.
- One-variable and two-variable sensitivity analysis.
- Excel scenario manager and data tables.
- Break-even analysis and financial stress testing.
- Scenario-based strategic decision-making.
- Case study: Shell energy price sensitivity modelling.

Module 8: VBA Programming Fundamentals for Finance

- Introduction to Visual Basic for Applications.
- VBA editor, procedures, and programming structures.
- Variables, data types, and conditional statements.
- Loops, functions, and error-handling techniques.
- Writing VBA code for financial calculations.
- Case study: Automating financial calculations in a multinational finance department.

Module 9: Excel Macros and Financial Process Automation

- Recording and editing Excel macros.
- Automating repetitive accounting processes.
- Developing customized financial reporting macros.
- Automating data cleaning and consolidation.
- Macro security and debugging procedures.
- Case study: Automating monthly financial reporting for a global corporation.

Module 10: Advanced VBA for Financial Modelling

- Developing reusable VBA functions.
- Automating complex financial calculations.
- Working with Excel objects and worksheets.
- Creating interactive financial modelling tools.
- Optimizing VBA code performance.
- Case study: Automated investment portfolio modelling.

Module 11: Financial Dashboards and Management Reporting

- Designing interactive financial dashboards.
- PivotTables, PivotCharts, and visualization.
- KPI tracking and financial performance indicators.
- Automated reporting using Excel and VBA.
- Executive reporting and financial insights.
- Case study: Coca-Cola financial performance dashboards.

Module 12: Investment Appraisal and Capital Budgeting

- Net Present Value and Internal Rate of Return.
- Payback period and profitability index.
- Capital expenditure evaluation models.
- Investment cash flow projections.
- Comparing investment alternatives.
- Case study: Siemens infrastructure investment appraisal.

Module 13: Financial Risk Modelling and Stress Testing

- Financial risk identification and measurement.
- Monte Carlo simulation fundamentals.
- Liquidity and solvency risk modelling.
- Interest rate and foreign exchange sensitivity.
- Financial stress testing and risk reporting.

- Case study: Global banking sector stress-testing practices.

Module 14: Financial Model Auditing and Quality Control

- Financial model review and auditing techniques.
- Error detection and formula verification.
- Data validation and spreadsheet protection.
- Model integrity and version control.
- Financial modelling governance and documentation.
- Case study: Spreadsheet risk management in international financial institutions.

Module 15: Integrated Financial Modelling Capstone Project

- Building a comprehensive integrated financial model.
- Combining forecasting, valuation, and budgeting.
- Developing automated VBA reporting functions.
- Conducting scenario and sensitivity analysis.
- Presenting financial recommendations to management.
- Case study: Global corporate acquisition and investment valuation simulation.

Training Methodology

- Instructor-led presentations and interactive discussions.
- Practical Excel financial modelling exercises.
- Hands-on VBA programming and macro development.
- Real-world corporate financial modelling case studies.
- Group assignments and financial simulation exercises.
- Capstone projects, presentations, and knowledge assessments.

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/advanced-financial-modelling-using-excel-and-vba-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.