CINPAA INTERNATIONAL PROGRAMME · MADRID 2027

MADRID · SPAIN · 2027

Data Analytics and Financial Modelling

Microsoft Excel · Power Query · Power BI

Confirmed | **Arabic & English, with interpretation** | **Field visits included**



Venue

Madrid, Spain

Training and field visits in Madrid

Dates

19–30 April 2027

10 training days · 50 hours · Monday to Friday

Approach

Practical and case-study based

Hands-on with Excel, Power Query and Power BI

Scan to register



Why this programme?

From financial data to decisions management can act on

Data analytics and financial modelling are now core skills for organisations that want stronger financial performance, more accurate forecasts, better risk management and evidence-based decisions. Over ten training days in Madrid, participants use Microsoft Excel, Power Query and Power BI to turn financial and operational data into integrated models, forecasts, scenario analyses and management dashboards.

Three skills you take back to work

Analyse

Clean, combine and analyse financial data with advanced Excel and Power Query.

Model

Build integrated three-statement models, forecasts and scenario analyses.

Report

Design interactive Power BI dashboards and clear reports for management.

Three applied outputs

- **Financial performance dashboard:** a practical dashboard in Excel and Power BI to monitor financial performance, track KPIs, spot trends and support data-driven decisions.
- **Integrated financial model and forecast:** a dynamic model linking the income statement, balance sheet and cash flow projections with budgeting assumptions and forecasts.
- **Scenario and investment evaluation model:** a decision-support model combining sensitivity analysis, risk assessment, NPV and IRR appraisal and alternative scenarios.

By the end of the programme, participants will be able to

Programme objectives and participants

01 Understand core and advanced data analytics concepts and how they apply to financial management.

02 Collect, clean, transform and organise financial and operational data for analysis.

03 Apply advanced Microsoft Excel functions and analytical tools to financial data.

04 Develop and interpret financial and operational key performance indicators (KPIs).

05 Build integrated financial models linking the income statement, balance sheet and cash flow statement.

06 Prepare forecasts, budgets and projections from sound financial and operational assumptions.

07 Use sensitivity analysis and scenario modelling to evaluate financial risk and uncertainty.

08 Apply quantitative techniques to investment appraisal and financial decision-making.

09 Build interactive financial dashboards and management reports in Power BI.

10 Present analytical findings and financial recommendations in a clear, decision-oriented way.

✦ Who should attend

Finance directors and financial managers · **FP&A, budgeting and planning specialists** · **Financial and business analysts** · **Accountants, controllers and internal auditors** · **Investment, treasury and risk professionals** · **Strategic planning and business development teams**

and professionals who want to strengthen their **data analytics** and **financial modelling** skills.

✦ Training method

- **Instructor-led sessions**
- **Hands-on Excel, Power Query and Power BI workshops**
- **Real-world case studies**
- **Individual and group exercises**
- **Financial decision simulations**

Eight modules over ten training days

Programme content
modules 1 to 4

Module 01
Foundations

Fundamentals of financial data analytics

- The role of data analytics in modern financial management, and the types and sources of financial and operational data.
- The financial data analytics lifecycle: descriptive, diagnostic, predictive and prescriptive analytics.
- Data quality: consistency, accuracy and completeness.
- Identifying trends, patterns and anomalies to support financial and management decisions.

Module 02
Excel · Power Query

Financial data analysis with advanced Excel and Power Query

- Advanced Excel functions for financial analysis: XLOOKUP, SUMIFS, IF, INDEX and MATCH.
- Excel Tables, structured references, Pivot Tables and Pivot Charts.
- Importing, cleaning, validating and combining financial data from several sources with Power Query.
- Trend analysis, comparative reporting and automating repetitive data preparation.

Module 03
Statements · KPIs

Financial statement analysis and performance measurement

- The three financial statements, with horizontal and vertical analysis.
- Profitability, liquidity, solvency, leverage and capital-structure ratios.
- Working capital, the cash conversion cycle, cash flow analysis and earnings quality.
- Financial KPIs, budget-to-actual analysis and performance gaps.

Module 04
Excel modelling

Integrated financial modelling in Microsoft Excel

- Model structure and design: separating inputs, assumptions, calculations and outputs.
- Building an integrated three-statement model with revenue and cost drivers.
- Forecasting assets, liabilities and equity, capital expenditure, depreciation and financing.
- Linking the statements, integrity checks and error controls for a flexible, transparent model.

Eight modules over ten training days

Programme content
modules 5 to 8

Module 05
Forecasting

Financial forecasting and budgeting

- Quantitative and qualitative forecasting techniques and historical trend analysis.
- Revenue forecasting, cost estimation, financial assumptions and growth drivers.
- Budgeting, resource allocation, rolling forecasts and budget variance analysis.
- Testing forecast reliability and integrating forecasts into strategic planning.

Module 06
Scenarios · Risk

Scenario analysis, sensitivity analysis and financial risk

- Base-case, optimistic and pessimistic scenarios.
- Excel What-If Analysis tools: Goal Seek and Data Tables.
- Sensitivity to revenue, costs and financing rates; break-even analysis and margin of safety.
- Critical risk drivers and financial resilience under alternative scenarios.

Module 07
NPV · IRR

Investment appraisal and financial decision-making

- Capital budgeting, the time value of money and discounted cash flow.
- NPV, IRR, payback and discounted payback periods, and the profitability index.
- Estimating project cash flows and comparing investment opportunities.
- Assessing investment risk and feasibility, and preparing recommendations for management.

Module 08
Power BI

Financial dashboards and reporting in Power BI

- Importing and preparing financial data from Excel and other sources.
- Relationships between datasets, an introduction to DAX and financial measures.
- Interactive KPI dashboards for revenue, costs, profitability and liquidity.
- Actual-versus-budget reporting, data storytelling and executive reporting.

Field visits in Madrid

Learning from practice in Madrid

The programme includes professional field visits to institutions in Madrid, so participants see how financial data, planning and reporting are managed in practice.

Banking and financial services

Financial technology and data analytics

Corporate finance and financial planning

Hosts and visit dates are confirmed with registered participants before the programme starts.

Certificate

On successful completion, participants receive a certificate issued by CINPAA, a training institute officially registered in the European Union, Spain and the United Kingdom.

Our programmes are delivered within academic and professional partnerships, cooperation agreements and memoranda of understanding with a number of academic and professional institutions, including:

- **Camilo José Cela University – Spain**
- **ISDE – Law & Business School – International**
- **Professional Development Institute – United Kingdom**

These partnerships aim to exchange expertise, develop training content and raise programme quality in line with international best practice.

CINPAA

International Cooperative for Training & Consulting

Founded in Madrid in 2010 and registered in Spain and the United Kingdom, CINPAA works in competency development, training, consulting and international cooperation. It serves government and semi-government bodies, companies, universities and educational institutions, and non-profit organisations.

Cities where we deliver programmes



Madrid · London · Barcelona · Paris · Geneva · Zurich · Munich · Frankfurt · Vienna · Prague · Athens · Istanbul · Moscow · Tbilisi · Baku · Tangier · Tunis · Cairo · Riyadh · Dubai · Dar es Salaam · South Africa · Kuala Lumpur · Bangkok · Tokyo · Miami

Programme venue: Madrid, Spain

19–30 April 2027 · 10 training days · Arabic and English with simultaneous interpretation

Accreditations & academic partners

ISO 29993:2017 Learning services for non-formal education and training

ISO 9001:2015

Professional Development Institute

Universidad Camilo José Cela

ISDE Law Business School

Fees, venue and registration

Register for Madrid 2027

Fees and terms

Set out in the financial proposal

Sent on request with the registration details.

Visa invitation letter

Available on request

After registration and payment of the fees, for participants who need a visa.

How to register

- Scan the QR code or email info@cinpaa.org.
- Our team contacts you within 24 hours with the registration details.
- Confirm your registration and receive your joining information.

Madrid, Spain
Venue details are sent to registered participants.

19–30 April 2027
10 training days · 50 hours

Registration & enquiries

Email
info@cinpaa.org

WhatsApp
+34 635 86 76 86

Website
www.cinpaa.org

Scan to register

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