

Course : AI Applied to Management Control, Analysis, and Forecasting in the Banking Sector

Automate your analyses and improve the reliability of your financial forecasts

Practical course - 2d - 14h00 - Ref. IGO

Price : 1650 CHF E.T.

NEW

Artificial intelligence is profoundly transforming how analytical and data processing tasks are carried out in the banking sector (management control, cash flow forecasting, financial strategies). This training course enables professionals to master data processing and forecasting techniques using AI features integrated into analytical tools (Excel, Power BI, etc.). The features explored in this course enable participants to automate the monitoring and analysis of variances, generate relevant insights, and improve the reliability of forecasts. With a strong focus on practical application, the course is designed to develop skills that can be immediately applied in the workplace.

Teaching objectives

At the end of the training, the participant will be able to:

- ✓ Analyze and forecast budget data using AI tools and advanced data processing techniques
- ✓ Automate the generation of relevant financial analyses using generative AI tools
- ✓ Create Excel reports quickly and efficiently in a simplified way using AI features
- ✓ Structure and ensure the reliability of financial data to optimize its use with AI tools
- ✓ Integrating concrete AI use cases into financial analysis and forecasting processes

Intended audience

Management accountants, finance managers, financial analysts, RAFs, finance professionals looking to integrate AI into their practices, and financial performance consultants.

PARTICIPANTS

Management accountants, finance managers, financial analysts, RAFs, finance professionals looking to integrate AI into their practices, and financial performance consultants.

PREREQUISITES

None

TRAINER QUALIFICATIONS

The experts leading the training are specialists in the covered subjects. They have been approved by our instructional teams for both their professional knowledge and their teaching ability, for each course they teach. They have at least five to ten years of experience in their field and hold (or have held) decision-making positions in companies.

ASSESSMENT TERMS

The trainer evaluates each participant's academic progress throughout the training using multiple choice, scenarios, hands-on work and more. Participants also complete a placement test before and after the course to measure the skills they've developed.

Prerequisites

None

Practical details

A mix of theoretical instruction, demonstrations, hands-on workshops, and case studies.

Course schedule

1 Understanding the Benefits of AI for the Analysis, Forecasting, and Visualization of Banking Data

- Identify the key concepts of artificial intelligence and generative AI
- Identify relevant use cases in management accounting (analysis, reporting, forecasting)
- Identifying Relevant Use Cases in Financial Analysis
- Identify relevant use cases for budget or cash flow forecasting
- Map current processes and identify opportunities for automation
- Assess the benefits and limitations of AI tools (reliability, bias, data security)
- Discover the main generative AI tools available

Hands-on work

Group workshop: Mapping participants' management control processes and identifying tasks that can be automated (work in small groups). Guided case study: Analyzing a traditional reporting process and proposing improvements using AI (in pairs). Interactive demonstration: exploring and getting hands-on experience with automation options using Excel Copilot and Google Sheets to examine simple use cases (individual work with instructor assistance).

2 Prepare and organize data for use by AI

- Structure financial data to make it usable (cleaning, standardization)
- Use Excel's advanced features (Power Query, Office Scripting, pivot tables)
- Organize data to facilitate automated analysis
- Identify relevant internal and external data sources
- Ensure data reliability to guarantee the quality of the analyses produced

Hands-on work

Individual exercise: Cleaning and transforming a financial data file using Power Query or Office Script. Pair workshop: Structuring a dataset to enable automated analysis of discrepancies. Practical exercise: detecting and correcting errors in a real dataset (guided work with group presentation).

TEACHING AIDS AND TECHNICAL RESOURCES

- The main teaching aids and instructional methods used in the training are audiovisual aids, documentation and course material, hands-on application exercises and corrected exercises for practical training courses, case studies and coverage of real cases for training seminars.
- At the end of each course or seminar, ORSYS provides participants with a course evaluation questionnaire that is analysed by our instructional teams.
- A check-in sheet for each half-day of attendance is provided at the end of the training, along with a course completion certificate if the trainee attended the entire session.

TERMS AND DEADLINES

Registration must be completed 24 hours before the start of the training.

ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

Do you need special accessibility accommodations? Contact Mrs. Fosse, Disability Manager, at psh-accueil@orsys.fr to review your request and its feasibility.

3 Automate data processing and report generation

- Automate the analysis of trends and variations in data (budget variances, cash flow gaps)
- Use AI tools to identify trends and anomalies
- Create dynamic dashboards with Power BI or Excel
- Use AI tools to generate scripts for automating data processing
- Automate the creation of recurring reports in Excel using Script Office

Hands-on work

Case Study: Variance Analysis on a Complete Dataset. Hands-On Workshop: Creating an Automated Dashboard in Excel Using Script Office or Power BI.

Guided Exercise: Using an AI Tool to Detect Anomalies in Financial Data.

4 Generate Automated Financial Analyses Using AI

- Conduct a meaningful financial analysis based on the data (analysis, explanation, recommendation)
- Crafting Effective Prompts to Elicit Actionable Feedback
- Use a generative AI tool to generate automated comments based on financial metric data
- Customize and ensure the reliability of generated content
- Integrating automated comments into an existing reporting system
- Set up an automated AI agent for recurring analysis needs

Hands-on work

Individual workshop: Writing prompts to generate financial comments based on a dataset. Partner exercise: Comparing human comments with AI-generated comments (critical analysis). Simulation: Improving and validating automatically generated comments (guided work with feedback from the instructor).

5 Creating Financial Forecasts with the Help of AI

- Identify appropriate forecasting methods (trends, regression, scenarios)
- Use Excel's forecasting functions (FORECAST, trends)
- Using AI Tools to Automate Financial Data Forecasting
- Developing Scenarios and Analyzing Their Impact
- Interpreting and Validating the Results of Forecasting Models

Hands-on work

Individual exercise: Creating a simple forecasting model in Excel using historical data. Small-group workshop: Developing scenarios (optimistic, realistic, pessimistic) and analyzing their impacts. Case study: Using an AI tool to generate a forecast and comparing it with a traditional model.

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Dates and locations

REMOTE CLASS

2026 : 14 Dec.

2027 : 25 Mar., 17 June, 27 Sep., 2 Dec.