



# AI-Powered Excel for Finance

Page 1 of 2



## COURSE LENGTH

Three 2-Hour Virtual Sessions or  
One Full-Day In-Person

## DESCRIPTION

AFP's Excel training course is designed to meet the evolving needs of FP&A professionals by incorporating advanced Excel features and AI-powered tools such as Microsoft Copilot and ChatGPT. The course emphasizes hands-on learning through real-world case studies, fostering practical problem-solving and strategic thinking. It aims to increase participant engagement and deliver measurable outcomes that align with corporate finance environments. By reflecting current technological trends, the training ensures relevance and impact for professionals seeking to enhance productivity. The format equips participants to drive greater value within their organizations.

## LEARNING OBJECTIVES

- Streamline workflows using modern Excel features to process and analyze financial data.
- Apply AI tools (ChatGPT, Copilot) to generate formulas, debug models and enhance productivity across FP&A tasks.
- Build advanced financial models incorporating sensitivity, scenario, optimization and simulation techniques.

- Design and present insights through interactive dashboards, PivotTables and AI-assisted visualizations tailored to decision-makers.
- Automate and extend Excel using macros, AI-generated VBA and Python integration for large-scale financial analysis.

## AGENDA

- The Modern FP&A Workflow and Introduction to AI
  - Review of basic Excel productivity skills and keyboard shortcuts
  - Case study: Yield curve visualization using Power Query, PivotTables and dynamic functions
  - Demonstrate how AI tools (ChatGPT, Copilot) can assist at each step—brainstorming, writing formulas and selecting chart types
  - AI and Excel: Practical applications for productivity, including data processing, formula writing, analysis and visualization
- Core Data Processing and Modeling – Building the Financial Analysis Engine
  - Modern lookups and dynamic arrays for formula-based reporting: XLOOKUP, INDEX/MATCH, FILTER, SORT, UNIQUE
  - AI Integration Lab: Using ChatGPT and Copilot to explain, debug, and generate complex formulas

*Continued on next page*



# AI-Powered Excel for Finance

Page 2 of 2



- Analysis and Advanced Modeling
  - Forward-looking analysis with sensitivity and scenario tools
  - Statistical analysis: correlation and regression (Analysis Toolpak, LINEST)
  - Introduction to optimization: applying Solver for resource allocation and profit maximization
  - Simulations for risk management and uncertainty modeling
- Data Summary, Visualization and Storytelling
  - PivotTables: building effective summaries
  - Dynamic dashboards: slicers, timelines and interactive charts linked to models
  - AI Integration Lab: Prompting AI to recommend the most effective visualization for the data and audience
- Automation, Collaboration and AI Scripting (Optional Module)
  - Macro fundamentals, workbook sharing and AI-assisted VBA generation
  - Python in Excel for large-scale data analysis, fintech and automation