



Python in Excel: Foundations for Non-Coders

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21 May 2026

Instructor:
Carolina Lago

Location:
London, UK

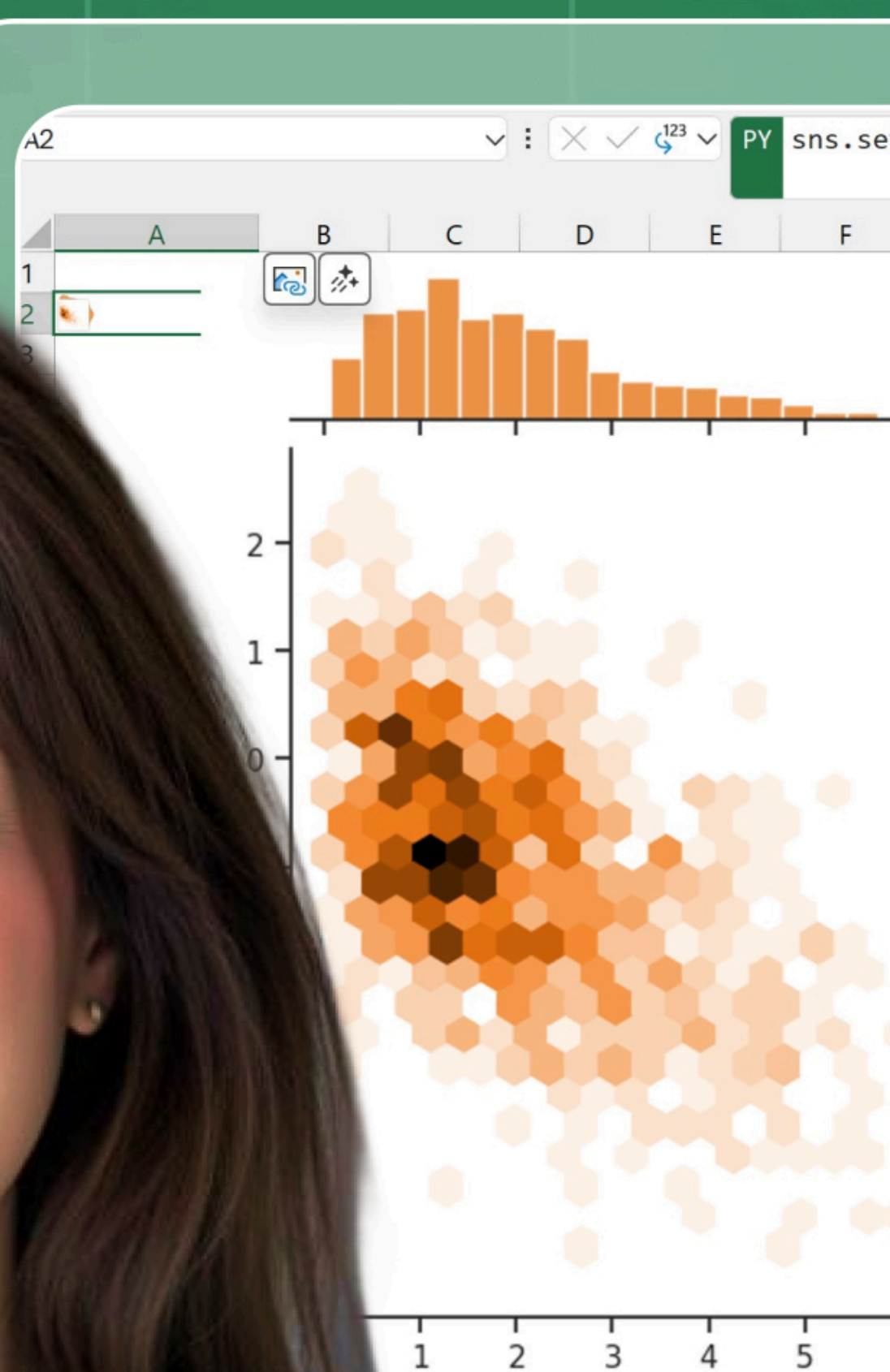


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Course outline

Overview

Unlock the full power of Excel's newest superpower - **Python integration** - without needing to become a programmer.

Through guided exercises and real-world examples, participants will learn how to think like a data analyst using Python, explore its most useful libraries, and build dynamic, data-driven solutions that outperform traditional spreadsheet models.

Learning outcomes

By the end of the Masterclass, each learner will be able to:

- ✓ **Master the essentials of Python in Excel** - understand how it integrates with formulas and complements tools like Power Query and VBA.
- ✓ **Automate and streamline your workflows** - use Python to handle repetitive analysis, large datasets, and performance-heavy calculations effortlessly.
- ✓ **Create richer insights and visuals** - build advanced analyses, reports, and visualizations that go beyond Excel's native capabilities.
- ✓ **Leverage Python's most powerful libraries** - including NumPy, Pandas, Matplotlib, and Seaborn
- ✓ **Build a complete project from scratch** - apply your new skills in a hands-on capstone exercise that brings together data cleaning, analysis, and visualization.

Who is this course for?

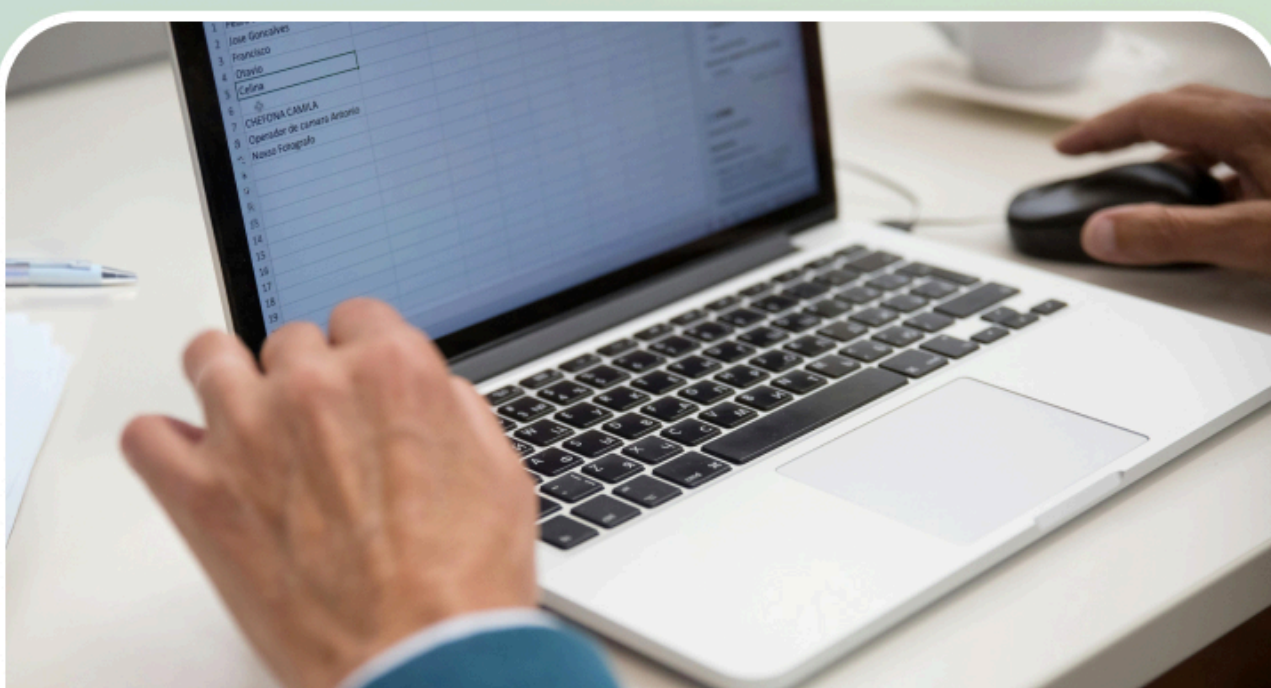
This practical, 1-day Masterclass is designed for analysts, managers, and Excel enthusiasts who want to go beyond formulas and learn how Python can simplify data analysis, enhance reporting, and automate complex workflows – all directly inside Excel. Ideal for:



Data analysts and business professionals looking to modernize their Excel skills



Finance teams who want to automate and enhance reporting



Advanced Excel learners seeking to future-proof their analytical capabilities



Professionals working with large or complex datasets

Course contents

Module 1 — Why Python in Excel Is a Game Changer

- What Python in Excel actually is
- How it complements Excel (not replaces VBA or Power Query)
- The difference between Excel's "cell-by-cell" logic vs. Python's "object-oriented" thinking

Module 2 — Python Data Structures for Excel Users

- Everything in Python is an object
- Discuss `.index`, `.values`, and `.column`
- What's a **list**, a **dictionary**, and a **DataFrame** — and how they compare to Excel ranges/tables

Module 3 — Python Libraries

- What are libraries and why they matter
- Overview of **pandas**, **numpy**, **matplotlib**, **seaborn**, **statsmodels**
- Preloaded libraries
- Data importing (import pandas as pd)
- Finding help: documentation, examples, community
- How to use AI

Module 4 — Functions vs. Methods

- Overview of **function / method**
- Visual analogy: `=SUM(A1:A10)` vs. `df["Sales"].sum()`
- Syntax patterns and common mistakes
- Practical examples with DataFrames and Series

Module 5 — Applying It All

- Combining concepts: libraries + data structures + methods
- Mini workflow: clean data → summarize → visualize
- Practical examples, e.g. "Top 5 products by sales"
- Hands-on mini-project: Create a compact, end-to-end report with Python

*All modules include a Quick demo at the end.

Why choose this course?

What's included

- ✓ One-day in-person training with Carolina Lago
- ✓ All working files
- ✓ Coffee, tea and biscuits throughout the day
- ✓ Claim up to 6 CPD hours
- ✓ Certificate of attendance
- ✓ 100% money-back guarantee



I must say that this training has exceeded all my expectations.

The content was incredibly comprehensive. What truly set this training apart was the emphasis on practical application.

Vanessa, Controlling Director



She loves what she does!

For Carolina, sharing knowledge comes first. She loves what she does. You can see that in her documents. Simply good and easy to understand.

Klaus Schlesinger

About your trainer



Carolina Lago

Managing Director,
Tactic Financial



Carolina is the Managing Director at Tactic Financial, where she helps SMEs and finance professionals enhance their skills through corporate training and hands-on advisory services. With over 15 years of experience in Financial Planning & Analysis (FP&A) and a Master's degree in Accountancy specializing in Data Analytics, Carolina's expertise spans multiple industries and global locations.



Recognizing a gap in the market for flexible yet robust financial models, she developed the TACTIC Financial Modeling Framework, designed to create versatile and adaptable models with solid calculations. Carolina's multi-industry experience and strong academic background make her a strategic planner capable of interpreting data to drive actionable insights and business success.

Course pricing

This course is available as a single Masterclass or as part of our Global Excel Summit [Premium In-Person ticket](#).

£315

Save 30%

Early bird price
ends 20 March 2026

£450

Regular price
21 March - 20 May 2026

£157

Save 65%

Student discounts

£803

Save additional 15%

Team of 3 discounts

up to
-40%

Bigger teams
Contact us today.

Pay by invoice

To pay by invoice, please contact Tea Kuseva at tea@globalexcelsummit.com. We will send you an invoice which you can submit to your accounts payable system."

Global Excel Summit



Phone

+ 44(0) 744 744 6470 (Tea Kuseva)

E-mail

info@globalexcelsummit.com

Mailing Address

95 Wilton Road, London SW1V 1BZ, UK

Website

www.globalexcelsummit.com