



MASTER YOUR DIGITAL SKILLS

Python in Excel

Data Analytics, data literacy & data driven decisions

Workearly



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the European Union



COURSE OVERVIEW

This course provides a **comprehensive introduction to Python in Excel**, focusing on integrating Python for data analysis and automation within Excel. Participants will learn **how to use Python libraries, manipulate data, visualize insights, and automate repetitive tasks** to improve efficiency and decision-making.



OUR GOALS

1. **Understand Python in Excel Fundamentals** – Learn the basics of using Python within Excel and setting up your environment.
2. **Explore Python Libraries for Data Analysis** – Utilize NumPy, pandas, and Matplotlib to analyze and visualize data efficiently.
3. **Perform Data Manipulation and Automation** – Learn techniques to clean, structure, and process data for automation.
4. **Develop Advanced Python Solutions** – Implement automation workflows, handle large datasets, and apply case studies for real-world scenarios.

COURSE DESCRIPTION

This course provides a **comprehensive introduction to Python in Excel**, focusing on automating data analysis and visualization tasks. Participants will learn **how to use Python libraries, manipulate and process data, generate insightful visualizations, and automate repetitive tasks** to enhance productivity and efficiency.

- **Introduction to Python in Excel** – Setting up the environment and understanding Python fundamentals.
- **Getting Started with Python Libraries** – Exploring NumPy, pandas, and Matplotlib for data analysis.
- **Data Manipulations and Visualizations** – Performing data cleaning, structuring, and visualization in Excel.
- **Advanced Python Automation** – Writing scripts for automation, handling large datasets, and streamlining workflows.
- **Case Studies and Applications** – Implementing real-world scenarios for financial modeling, reporting, and forecasting.

COURSE INFO

Location	<u>Workearly Platform</u>
Date	Asynchronous
Duration	8 hours
Cost	Participation is fully funded by the European Union, under the Level Up Project



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