

Creating Interactive Content with Jupyter Books

Objective

By the end of this workshop, you will be able to create your own public course or workshop website using the open-source tools Jupyter Book and GitHub Pages. You will learn how to structure and format content in Markdown (a lightweight markup language), incorporate multimedia and interactive elements, and publish your materials as a stand-alone website.

Description

This hands-on workshop provides a practical introduction to building open, web-based teaching materials, ideal for workshops, seminars, and lectures. By building upon a ready-to-use website template and guided exercises, you will learn to develop barrier-free, freely accessible educational content that is visually appealing and easy to maintain.

We will highlight the advantages of Jupyter Book and GitHub Pages for modern teaching, including multimedia integration, live code execution, version control, and long-term sustainability. Whether you are new to digital teaching or want more efficient ways to share your materials, this session offers a low-threshold, future-proof solution.

The following topics will be covered in this workshop:

- **Why Jupyter Books:** We will explore the advantages of free and accessible online courses and how Jupyter Books can enhance digital teaching.
- **Getting Started with GitHub:** You will learn what GitHub is, how to create an account, and how to start a new project.
- **Hosting Your Course Website:** You will learn how to publish and maintain your own course website with GitHub Pages using our course template.
- **Creating Engaging Content:** You will learn the basics of creating and editing files, formatting with Markdown, and embedding media.

Methodology

The workshop combines instructor-led demonstrations with individual exercises.

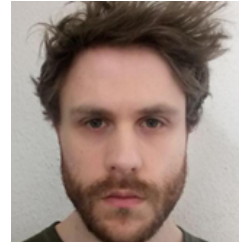
Participants follow step-by-step guidance to customize a website template and add their own content.

The instructor provides real-time support, feedback, and troubleshooting to ensure practical learning and immediate application.

Conditions

- No prior programming or web development experience is necessary
- Participants need to create a GitHub account before or during the workshop (support provided)

Trainer



Msc., Michael Ernst

Faculty for Psychology and Sport Sciences,
Goethe University Frankfurt

- MSc. 2021, Philipps University Marburg, Hessen
- Since 2021, Research Assistant, Fiebach Lab for Cognitive Neuroscience
- Since 2023, PhD candidate @ Fiebachlab for Cognitive Neuroscience and Peopleslab (Allgemein Psychologie I)
- Working on: Neural foundation of speech processing
Open Science Practices
Digital literacy

Organizational Information

Language / Format	English / On campus
Target group	Doctoral Candidates at all stages and Postdocs (R2/R3) from all faculties
Date	Monday, 15 February 2027, 13:00 – 18:00
Registration	For registration click here