Contributing to Open Science: Creating a Project Pythia Cookbook

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WHAT IS PROJECT PYTHIA?

Project Pythia is an educational and training hub tailored towards the geoscientific Python community. Its main goal is to teach valuable skills through open-source and accessible educational materials and resources. By providing comprehensive education, Project Pythia aims to empower geoscientists to contribute back to the open-source Python community. The Project Pythia website currently comprises four main sections, as seen below.

OVERVIEW OF COOKBOOK CONTRIBUTION

Contributing your work to an open science initiative can be scary and intimidating, but it is a rewarding experience. Project Pythia has developed an extensive Cookbook Contributor’s Guide to streamline the process and to encourage contributions. The process is outlined below and the full guide is available on the Project Pythia website.

EXPLORE CONTENT IDEAS
- Consider if your idea would fit into an existing cookbook or in a new cookbook
- Discuss ideas on the Project Pythia Pangeo forum

CREATE A REPOSITORY WITH THE COOKBOOK TEMPLATE
- Create a GitHub account if needed
- Clone the repository into your local workspace
- Create your environment

DEVELOP COOKBOOK ON A LOCAL WORKSPACE
- Add your content using the notebook template
- Reach out to Project Pythia if you have any questions throughout the development process of your cookbook

TRANSFER COOKBOOK REPOSITORY
- Contact Project Pythia via Pangeo to start the transfer process
- Once transferred, you will retain write access to your Cookbook

SUBMIT TO THE COOKBOOK GALLERY
- Navigate to the Cookbooks Gallery on the Project Pythia website
- Follow the “Submit a New Cookbook” prompts to submit a Pull Request for your Cookbook

WANT TO GET INVOLVED?

- Use any of the Project Pythia educational or training materials
- Participate in the Pangeo forum
- Consider turning previous or current work into a Cookbook following the Contributor’s Guide
- Follow Project Pythia on social media
- Spread the word about Project Pythia
- Submit a resource link
- Attend any of the weekly Pythia Working Group public meetings. Schedule is available on the Project Pythia homepage
- Participate in a Pythia Webinar Tutorial

MY PROJECT PYTHIA CONTRIBUTIONS

- MetPy Cookbook – Skew-T Section
- Remote Data Access with xarray