Effective Programming Practices for Economists

Basic Python

Running Python code via pytask

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Preparation

We assume you have:

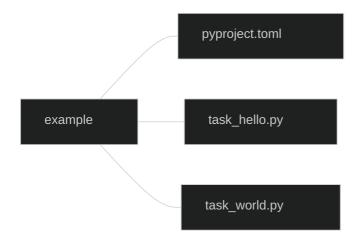
- Installed pixi
- Navigated to the root directory of your project in a shell
- The root directory of your contains a pyproject.toml file that includes pytask and at least one file expected by pytask

How does pytask execute code?

- Executing .py files: Run the entire file
- Executing notebooks: Run individual cells
- Pytask: Run individual functions in multiple .py files

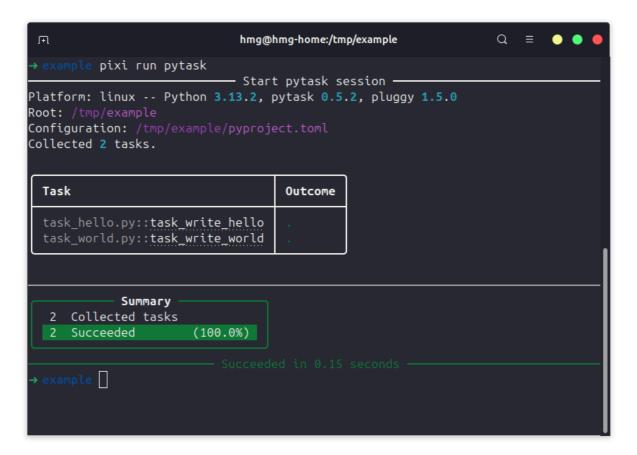
Very useful for automating research pipelines

Example Project Structure



- Our shell is in the example directory
- We want to run all functions that start with task_ in both .py files
- Command is pixi run pytask

1: Execute



1: Execute again

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→ example pixi run pytask Platform: linux Python Root: /tmp/example Configuration: /tmp/exampl Collected 2 tasks.	—— Start pytask session ————————————————————————————————————				
Summary 2 Collected tasks 2 Skipped because unch → example	nanged (100.0%) - Succeeded in 0.01 seconds				