Project Pythia Content Creation - An Intake Cookbook

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About Me

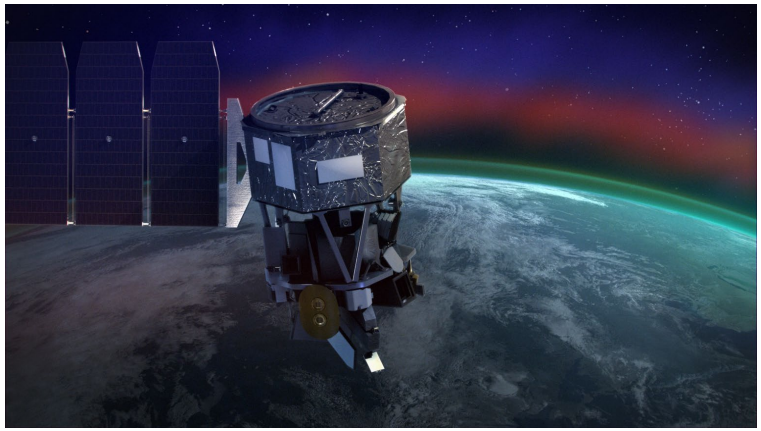
CSS

<xml/>

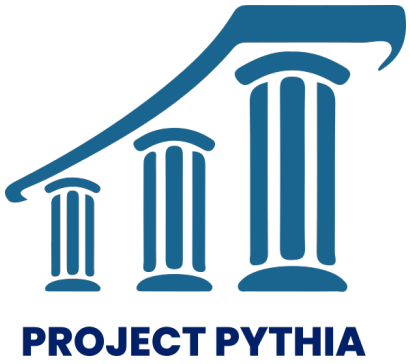
HTML

JS

AsyncJS



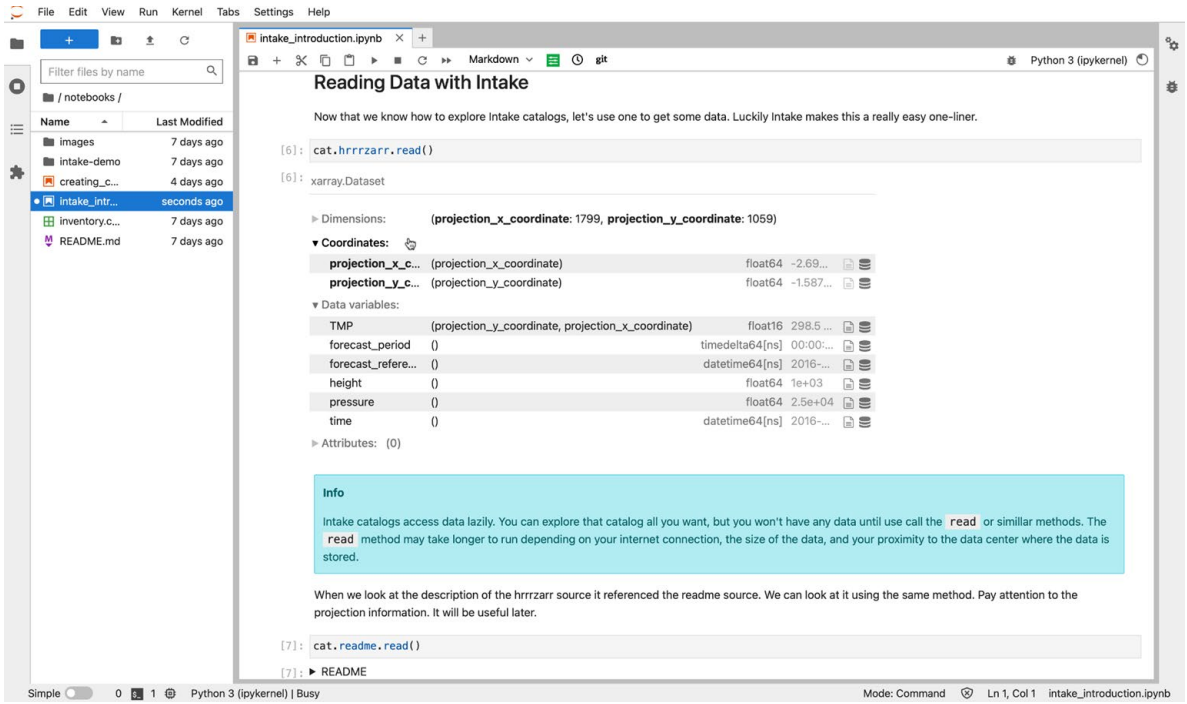
Project Pythia



- Educational working group for Pangeo
- Creates educational resources to teach geoscientist scientific and cloud computing using Python
- Created Pythia Foundations book, a Jupyter Book teaching fundamentals of scientific programming using Python

Jupyter Notebook

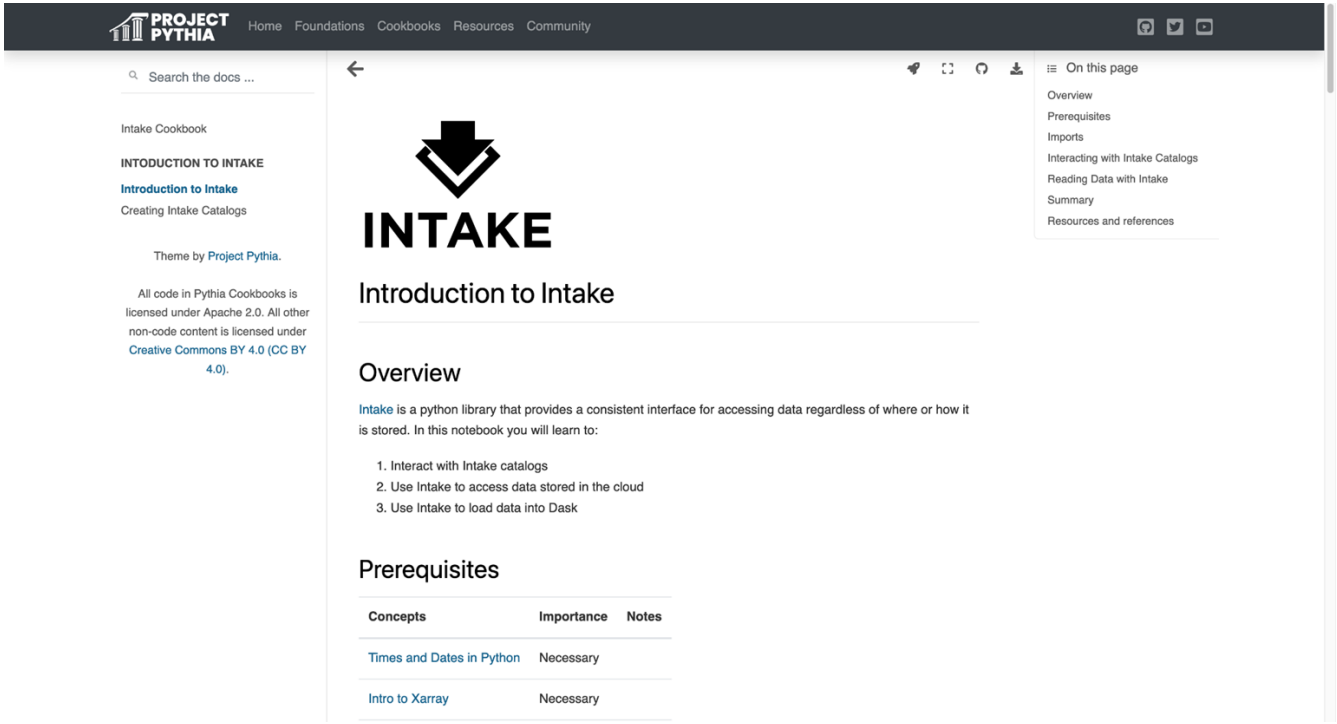
- Code and markdown interspersed in a document
- Great way to document research
- Useful for interacting with programs running in the cloud



Cookbooks

- Show example workflows
- Builds on Pythia Foundations book
- Designed to be binderized
- Community created

A Cookbook to Teach Intake



cookbooks.projectpythia.org/intake -cookbook

Making the Cookbook

- Follow the contributor's guide
- Use the template repo on Github
- Add your Jupyter notebooks
- Transfer the repo to ProjectPythiaCookbooks

Documenting Intake Catalogs

```
import intake
from IPython.display import Markdown as md
cat = intake.open_catalog("catalog.yml")
md(cat.example_source_1.description)
```

In the source description

An example source with **markdown** in the description.

```
import intake
from IPython.display import Markdown as md
cat = intake.open_catalog("catalog.yml")
md(cat.description)
```

In the catalog description

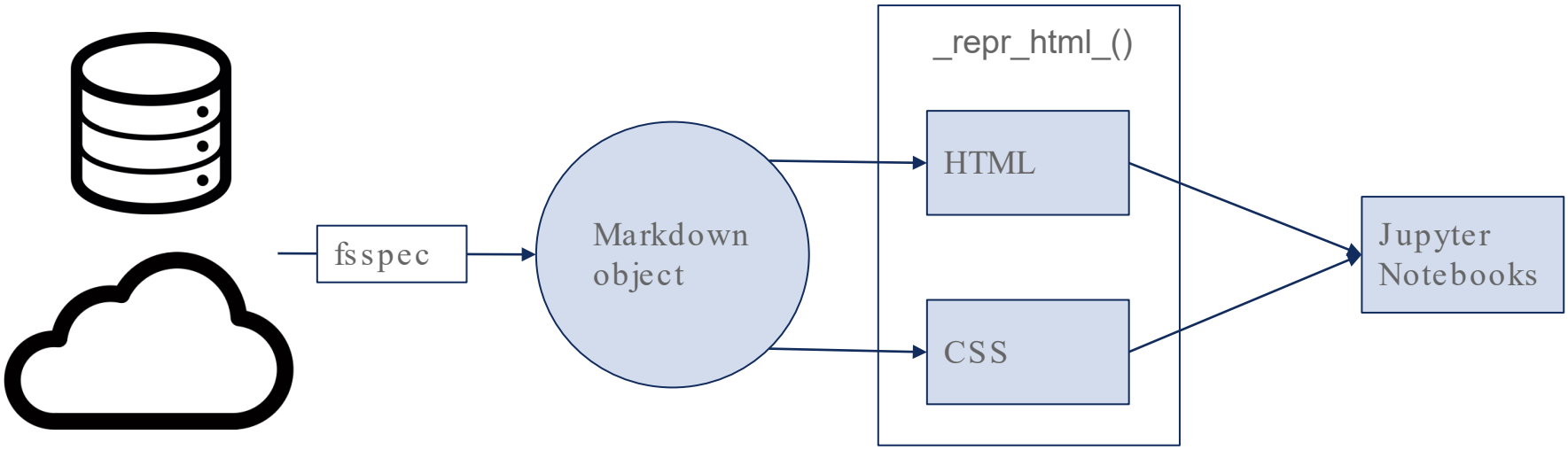
A catalog with **markdown** in the description.

```
import intake
cat = intake.open_catalog("catalog.yml")
cat.example_source_4.read()
```

With intake-markdown

Example documentation source using **markdown**

intake -markdown



Check Out My Cookbook

Acknowledgement and References

Acknowledgement:

- A special thanks to my mentors who have supporting me in every challenge I faced this summer.
- Thanks to the Project Pythia community for creating the Pythia Foundations book. I reference it often.

Image Attribution:

- UVU Letters, Ben P L from Provo, USA
- Web Development Technologies, Daniel Iversen
- ICON and Airglow, NASA Goddard's Conceptual Image Lab/B. Monroe
- KitchenAid mixer, www.yourbestdigs.com/reviews/best-stand-mixer/

References:

- Project Pythia
- Project Pythia Cookbooks
- About Pangeo
- Intake Documentation
- intake-markdown