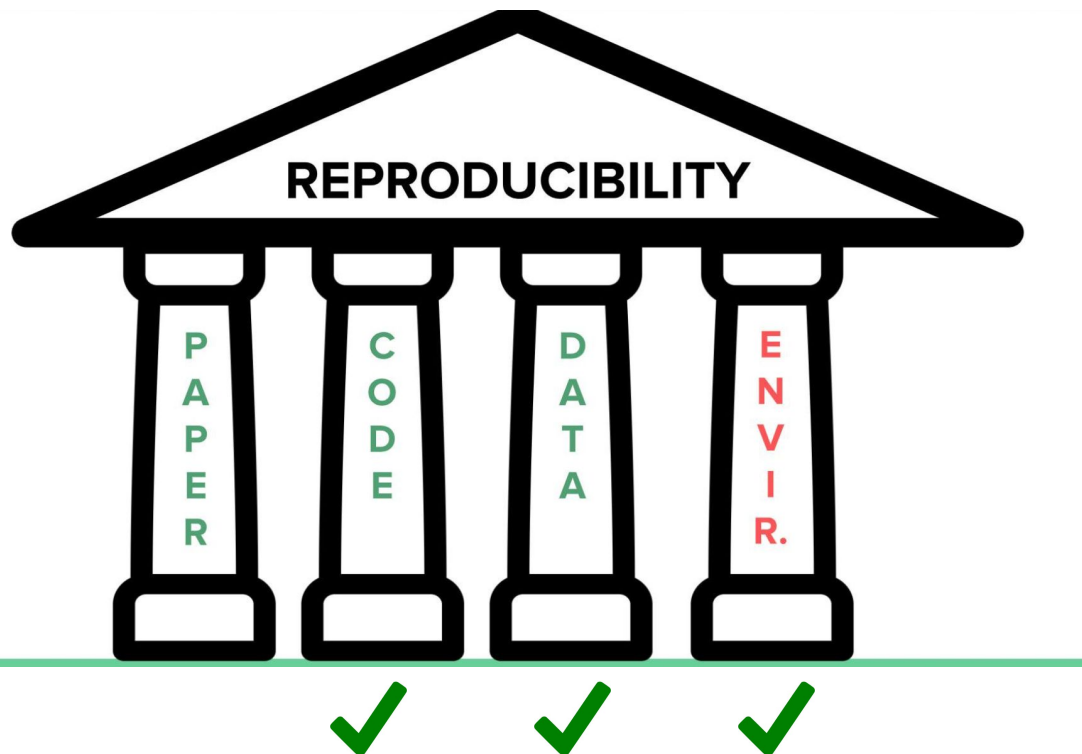




A Practical Introduction to Reproducible Computational Workflows

Wrap-up

Four Pillars of Reproducible Research



Open Science

- Open access publications
- ✓ Open data
- ✓ Open source code
- ✓ Open execution environment

Today we learned techniques and tools to publish a reproducible workflows and results!

Tools and Infrastructure



Computational Notebooks:
Jupyter Notebook
Jupyter Lab



Cloud environment to run
computational notebooks
(including RStudio)



Open-source package
and environment
management system

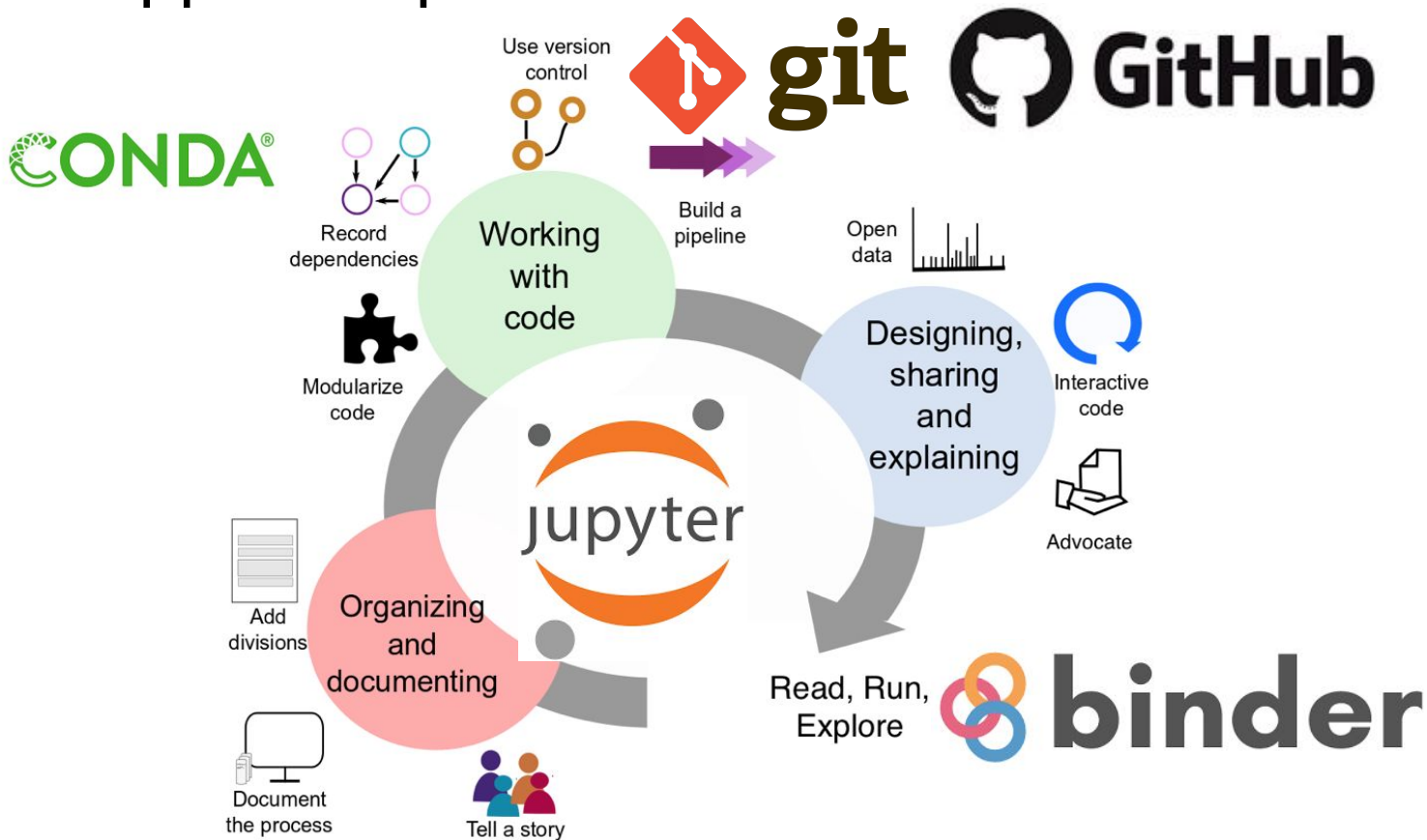


Version-control system
for tracking changes in
source code

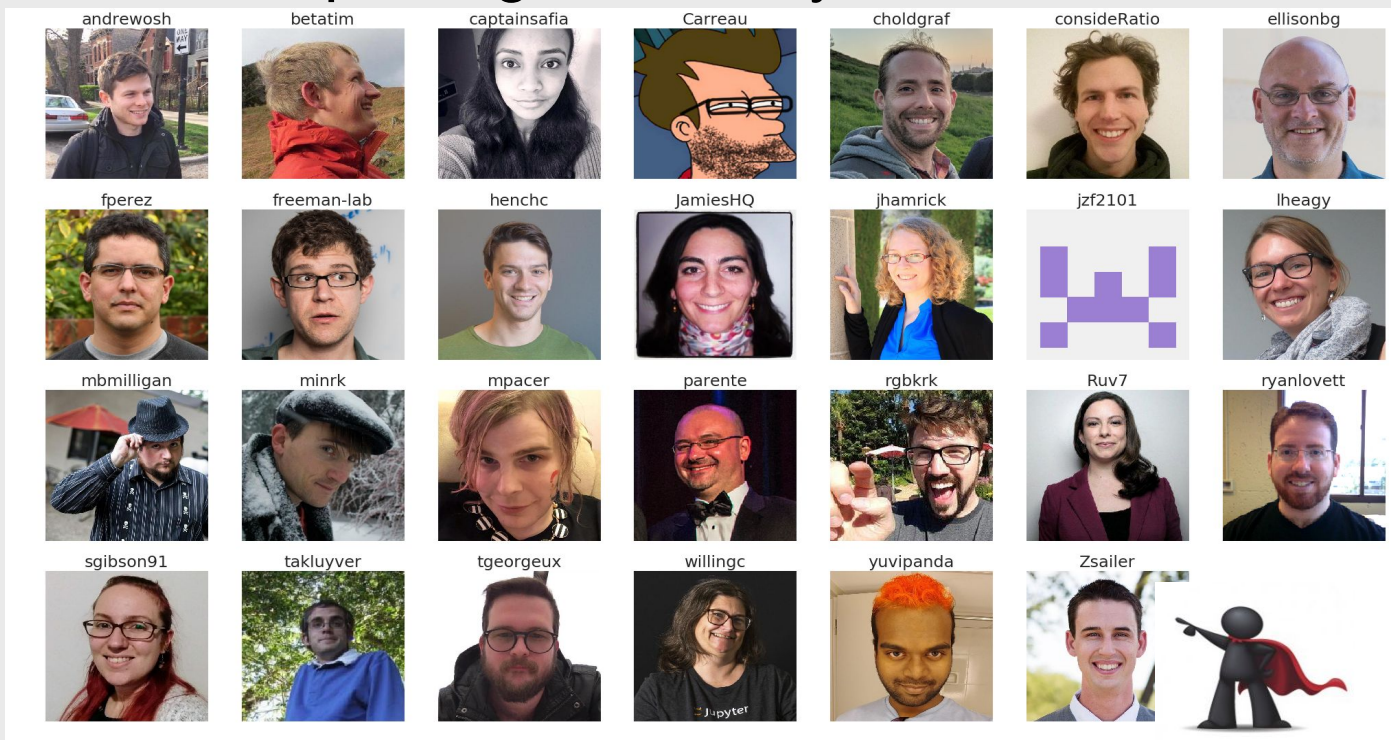


Source code
repository

Tools to Support Reproducible Workflows



A round of Applause for the Jupyter/Binder Team and all the developers and maintainers of the open source packages used by this tutorial.



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Please ***Star** the Git Repositories
used by the workshop!

Make your research
reproducible and reusable!

Please fill out the survey!

<https://goo.gl/forms/0sR1kfVO6nj4X8bO2>