

Open source as research booster

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Open your code

- Better a bad looking code than nothing
- Good for future you

Code companion

- Handle data
- Manage experiments
- (Re)generate figures
- Do not store data

Simple structure

- `paper_code/`
 - `figure1/`
 - `figure2/`
- `experiments/`
 - `exp_code/`
 - `exp2_code/`

Towards reusable contributions



- use git
- adopt good coding practices
- inspire from existing open source projects

Package your software

Create your own package

- Don't start early
- Be ready to collaborate
- Think of maintenance cost

Not a paper code companion

- No need to be a one-off
- Reusable and maintainable
- Good documentation
- Cases not covered in the paper

Contribute first

- Similar projects already exist
- Do not redevelop the wheel

Make a great package

- Make it easy to install
- Provide good documentation
- Provide examples and tutorials
- Be responsive to issues and pull requests

Recipe for success

- Use Zenodo for archiving and DOI
- Authorship incentive to push PR
- Automate with CI/CD
- Organize workshops and tutorials