

# **Code Review During Research: A Community Effort Towards Guidelines**

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# Code reviews at the time of publication

- What about code quality?

# Code review *during* *research*

# Code Review benefits researchers themselves

- Learning and knowledge transfer
  - Dissemination of good practices.
  - Continuous peer learning.
- Collaboration
  - Group awareness, cohesion and trust
  - Makes it easier for people to join a team... and leave it.

# Code Review is common software practice...

... in the software industry and open source communities.

...

Code review is very rare in academia

- Lack of awareness
- Lack of guidance
- Lack of incentives
- Lack of confidence

# **Research Code Review Community Group 2 (Code Review During Research)**

# Guidelines as a website

```
<iframe src="https://dev-review.readthedocs.io/en/latest/"  
width="100%" height="85%"></iframe>
```

# Code review guidelines

## Principles

- Suited for "lone coder"
- Short, and predictable time commitment
- Informal and low stakes
- Accessible to beginner programmers



# Code review guidelines

## The four steps

1. Find a reviewer
2. Meet and agree on objectives
3. Perform code review
4. Finalise