

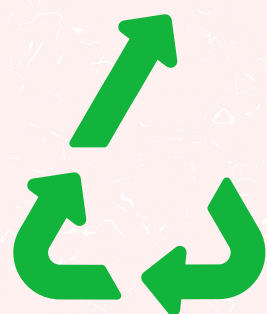
# Championing Code Documentation

Sharing well-documented code along with research data has become essential in today's data-driven computational science.

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Your future self will appreciate the reminder



Others will be able to reuse your code and build upon it

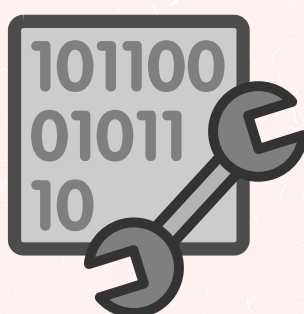


You will be cited and get credit for your work



Your work will be more transparent and reproducible

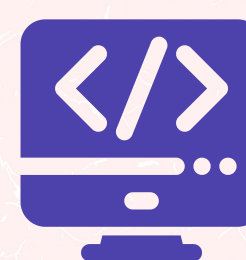
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Specification of what the code does



Description of why the code was written that way



Procedures on how one can use it



Requirements and conditions for reuse



- Document as you progress. Do not leave it for last!
- Use Git or another version control system to track and manage changes in your code.
- If more than one code, specify their sequence of execution and name files accordingly.
- Create a master file to run all your codes sequentially.
- Always use relative paths in your code when calling or saving files.
- Describe the computing environment and all dependencies needed to run the code.
- Ensure that all variables and values in your dataset are clearly labeled and match the code.
- Identify the creators of the code and the last update date.
- Specify the license governing your code.

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- Add inline comments to your code to help others understand it.



## When adding inline comments to your code, consider these rules:

1. Comments should not duplicate the code.
2. If you can't write a clear comment, the code may have a problem.
3. Explain unidiomatic code in comments.
4. Provide links to the source of copied code.
5. Add comments when fixing bugs or marking incomplete implementations.

Learn more: <https://bit.ly/3xyzqU1>



Need help? Contact us:  
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