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is software developed for research purposes
whose source code is freely available and licensed
for anyone to use, modify, and share.

## 5 REASONS TO ENCOURAGE SHARING RESEARCH SOFTWARE

**Reproducibility**: It enables to replicate published findings by running the same computational tool on data generated by the study

**FAIR Principles**: It ensures research tools are Findable, Accessible, Interoperable, and Reusable.

**Lower retraction risk:** Making research software openly available enables transparency, reproducibility, and independent verification of results, reducing the likelihood of errors, misconduct, or unverifiable findings.

**Collaboration:** It facilitates community-driven development and fosters new scientific advancements.

**Credit and recognition:** Formal citation of software ensures proper attribution, encouraging further development of research tools.

Despite its crucial role in research, there is little support across the scholarly ecosystem for software acknowledgement and citation. It is generally not formally cited in scholarly publications and is at best either mentioned in the methods section of an article, or identified through the dependencies of research code deposited by the authors.

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Where applicable, ask authors to make available their scientific code, scripts or models openly in a code repository.