




1 Data Science for Psychologists (DS4P): A Modular,
2 Open-Source Learning Module for Transparent and
3 Reproducible Data Analysis in Psychology

4 **S. Mason Garrison** ¹✉

5 ¹ Department of Psychology, Wake Forest University, North Carolina, USA ✉ Corresponding author

DOI: [10.xxxxxx/draft](https://doi.org/10.1002/doi.draft)

Software

- [Review](#) 
- [Repository](#) 
- [Archive](#) 

Editor: [Open Journals](#) 

Reviewers:

- [@openjournals](#)

Submitted: 01 January 1970

Published: unpublished

License

Authors of papers retain copyright
and release the work under a
Creative Commons Attribution 4.0
International License ([CC BY 4.0](#)).

6 **Summary**

7 **Data Science for Psychologists (DS4P)** is an open, GitHub-hosted computational learning
8 module developed to support data science instruction within psychology. Initially launched as a
9 graduate course during the COVID-19 pandemic, DS4P will expand to include undergraduate
10 instruction beginning in Spring 2026 at Wake Forest University.

11 This multimedia module serves as a flipped textbook, combining embedded video lectures,
12 annotated code examples, readings, slide decks, and hands-on labs. Its instructional approach
13 emphasizes reproducibility and transparency in psychological research. No prior programming
14 or advanced mathematical background is assumed.

15 DS4P makes extensive use of the R ecosystem