

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

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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^b