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

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Summary

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

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

DS4P makes extensive use of the R ecosystemb