Jordan Ellis

Assistant Teaching Professor

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SUMMARY

Assistant teaching professor of statistics with 6 years of college teaching since the PhD, 3 of them in a teaching-track faculty role. Teaches 3 large data science and statistics courses a semester in Python and R, coordinates 12 teaching assistants, and builds active learning materials that have lowered failure rates in introductory courses.

SKILLS

- **Python**
- **R**
- **SQL**
- **Jupyter Notebooks**
- **Regression Analysis**
- **Statistical Computing**
- **Data Science**
- **Gradescope**
- **Active Learning**
- **Interpersonal Skills**

EXPERIENCE

Assistant Teaching Professor 08/2023 - Present

Neuse River University Raleigh, NC

Teaching-track faculty in the Department of Statistics.

- Teach Introduction to Data Science and Regression Analysis to about **450** students a semester across 3 courses.
- Coordinate 12 graduate teaching assistants with weekly prep meetings and grading calibration in Gradescope.
- Rebuilt the intro course around Jupyter Notebooks in Python, cutting the D/F/W rate from 19% to 11%.
- Designed a data science minor with the 5-member undergraduate curriculum committee, launched in 2025.

Lecturer in Statistics 08/2020 - 07/2023

Crabtree Valley College Raleigh, NC

Liberal arts college with 3,500 students.

- Taught 4 sections a semester of Elementary Statistics and Statistical Computing in R, 120 students in all.
- Introduced weekly group labs that raised average final exam scores by 8 points.
- Advised 15 undergraduates a year on senior projects that queried public health data with SQL.
- Wrote 6 open textbook chapters on regression, later adopted by 3 other instructors.

Graduate Teaching Assistant 08/2016 - 05/2020

North Carolina State University, Department of Statistics Raleigh, NC

Recitation and lab instructor for introductory statistics.

- Ran 2 weekly R labs for 70 students in Introduction to Statistics for 6 semesters.
- Received the department's graduate teaching award in 2019 for student ratings of 4.8/5.
- Tutored 15 to 20 students a week in the statistics help center during exam periods.

EDUCATION

Doctor of Philosophy 05/2020

North Carolina State University Raleigh, NC

Statistics