

KYLIE N. GORNEY

Department of Educational Psychology
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EDUCATION

Exp. **Ph.D. in Educational Psychology (Quantitative Methods)**

2023 Minor in Statistics

University of Wisconsin-Madison

2021 **M.S. in Educational Psychology (Quantitative Methods)**

Thesis: The Discrete-Option Multiple-Choice Item Format and Item Preknowledge
University of Wisconsin-Madison

2018 **B.S. in Psychology**

Minor in Mathematics

University of Wisconsin-Stout

PROFESSIONAL POSITIONS

2019 – Pres. **Research Assistant**

National Conference of Bar Examiners

Duties: Conduct research on the assumptions and requirements of item response theory (IRT) models, including the Rasch model and testlet response models. Assist with the response time analysis of a computer-based test. Examine the implications of equating with extremely small samples.

2019 – 2021 **Statistical Consultant**

Wisconsin Center for Education Research, University of Wisconsin-Madison

Duties: Assisted with the design and analysis of several research projects. Offered advice and feasible alternatives when issues arose. Described the statistical and practical significance of results.

2019 **Project Assistant**

Testing & Evaluation Services, University of Wisconsin-Madison

Duties: Examined item statistics for the UW Placement Tests using R and SPSS. Proofed new test forms before release. Compiled, organized, and spiraled multiple test forms in preparation for administration.

2015 – 2018 **Project Assistant**

Applied Research Center, University of Wisconsin-Stout

Duties: Conducted parametric and non-parametric statistical tests in SPSS. Edited and proofread reports for clients. Developed themes for and coded qualitative data using NVivo.

TEACHING POSITIONS

2018 – 2019 **Teaching Assistant**

Department of Educational Psychology, University of Wisconsin-Madison

· ED PSYCH 760: Statistical Methods Applied to Education I

· ED PSYCH 761: Statistical Methods Applied to Education II

2016 – 2017 **Teaching Assistant**

Math Teaching & Learning Center, University of Wisconsin-Stout

· MATH 010: Fundamentals of Algebra

· MATH 090: Intermediate Algebra

· MATH 118: Concepts of Mathematics

· STAT 130: Elementary Statistics

CONFERENCE PRESENTATIONS

Gorney, K. N., & Mroch, A. A. (2021, July 19–23). *Rasch model sample size requirements under an IRT pre-equating design* [Poster session]. International Meeting of the Psychometric Society (IMPS), Virtual.

Gorney, K. N. (2021, May 18–June 11). *A comparison of anchor lengths and item selection methods in small-sample equating* [Paper presentation]. National Council on Measurement in Education (NCME) Annual Meeting, Virtual.

Gorney, K. N. (2021, May 18–June 11). *When to use synthetic linking functions in small-sample equating* [Paper presentation]. National Council on Measurement in Education (NCME) Annual Meeting, Virtual.

Gorney, K. N., & Wollack, J. A. (2021, May 18–June 11). *Does item format affect test security?* [Paper presentation]. National Council on Measurement in Education (NCME) Annual Meeting, Virtual.

Gorney, K. N. (2020, July 14–17). *A Bayesian analysis of item format and test security* [Poster session]. International Meeting of the Psychometric Society (IMPS), Virtual.

Gorney, K. N., & Wollack, J. A. (2019, November 8). *The impact of item format on test security* [Oral presentation]. Ideas in Testing Research Seminar, Chicago, IL, United States.

AWARDS

2018 **Achievement in Research**

Department of Psychology, University of Wisconsin-Stout

2018 **Leadership Award**

Department of Psychology, University of Wisconsin-Stout

2017 **Outstanding Student Researcher of the Year**

College of Education, Hospitality, Health, and Human Sciences, University of Wisconsin-Stout

GRANTS AND SCHOLARSHIPS

2017 **Professional Development Grant** (\$1,500 with Douglas Whitaker)

University of Wisconsin-Stout

2017 **PME-NA Registration Scholarship** (\$250)

North American Chapter of the International Group for the Psychology of Mathematics Education

PROFESSIONAL MEMBERSHIPS

2019 – Pres. American Educational Research Association (AERA)

2019 – Pres. National Council on Measurement in Education (NCME)

2019 – Pres. Psychometric Society

COMPUTER SKILLS

Programming Languages: Python, R, SAS

Software: BILOG-MG, L^AT_EX, SPSS, Winsteps