

AUDREY FILONCZUK

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EDUCATION

University of Notre Dame Expected May 2027
Doctor of Philosophy in Quantitative Psychology

University of Notre Dame May 2022
B.S. in Statistics
B.A. in Psychology
Glynn Family Honors Program

RESEARCH INTERESTS

item response theory, data quality control, educational assessment

EXPERIENCE

Learning Analytics and Measurement in Behavioral Sciences Lab 2019-Present
Research Assistant *U. of Notre Dame*

- Assist doctoral and postdoctoral students with their research
- Undertake independent research projects and present to the lab

Center for Research Computing Summer 2020
Research Experience for Undergraduates *U. of Notre Dame*

- Collaborated with Curated Pathways to Innovation (CPI) educational app
- Conduct independent research on careless responding to app surveys

PEER-REVIEWED PUBLICATIONS

1. Ober, T. M., Carter, M. F., Coggins, M. R., Filonczuk, A., Kim, C., Hong, M. R., & Cheng, Y. (2022). Adaptation to remote teaching during Spring 2020 amidst COVID-19: Perspectives of AP Statistics teachers. *Computers in the Schools*. <https://doi.org.10.1080/07380569.2022.2090764>

PRESENTATIONS

1. Filonczuk, A., Hong, M., & Cheng, Y. (2022, April) Robust Estimation of Ability in Multidimensional Item Response Theory. 2022 Annual National Council on Measurement in Education Meeting, San Diego, CA.
2. Filonczuk, A., Ober, T., Rebouças, D., & Cheng, Y. (2020, August) Multiverse analysis reveals stronger correlations when removing all careless responders. Poster presented Summer Undergraduate Research Symposium, Notre Dame, IN.

SOFTWARE

1. Filonczuk, A., Hong, M., & Rebouças, D. (2020). Careless Responders: An Application for Detecting Possible Careless Respondents. R shiny. <https://careless-statistics.shinyapps.io/carelessstatistics/>

HONORS AND AWARDS

Burns Fellow <i>Notre Dame Program for Interdisciplinary Educational Research</i>	May 2022
Dean's List	2021 - 2022
Glynn Family Honors Conference Grant	April 2022
Glynn Family Honors Research Grant	April 2021

TEACHING

Tutor, AP Calculus & III, Saint Joseph High School, South Bend, IN	2019-2021
Tutor, Physics, Saint Joseph High School, South Bend, IN	2019

LEADERSHIP AND SERVICE

President, Women's Rugby Club of Notre Dame	2020 - 2022
Treasurer, Women's Rugby Club of Notre Dame	2019 - 2020

TECHNICAL STRENGTHS

Advanced	R, R Markdown, R Shiny
Intermediate	Python, LaTeX
Other	C++, SPSS