

# AUDREY FILONCZUK

Notre Dame, IN 46556  
(716) · 425 · 7244 ◊ afileoncz@nd.edu

## EDUCATION

---

University of Notre Dame  
Doctor of Philosophy in Quantitative Psychology

Expected May 2027

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

May 2022

## RESEARCH INTERESTS

---

item response theory, data quality control, educational assessment

## EXPERIENCE

---

Learning Analytics and Measurement in Behavioral Sciences Lab  
*Research Assistant*

2019-Present  
*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  
*Research Experience for Undergraduates*

Summer 2020  
*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. & Cheng, Y. (2023, April) Robust Estimation of the Latent Trait in Graded Response Models. 2023 Annual National Council on Measurement in Education Meeting, Chicago, IL.
2. 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.
3. 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., Liu, C., & Cheng, Y. (In Progress). 'RobustIRT' package. R. <https://github.com/cliu7/RobustIRT>
2. 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 & MENTORING

---

Mentor for Masters & Undergraduate Students, LAMBS Lab, University of Notre Dame	2022-Present
Tutor, AP Calculus & 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, EQS