

Corissa T. Rohloff

📍 Minneapolis, MN 📞 920-217-3416 ✉ wurth005@umn.edu

EDUCATION

Ph.D. Educational Psychology, *Quantitative Methods in Education (QME)* 2024 (Expected)
University of Minnesota- Twin Cities // Minneapolis, MN
Advisor: Dr. Nidhi Kohli

B.S. Psychology, *summa cum laude with high distinction* Graduated Spring 2018
Statistics Minor
University of Minnesota- Twin Cities // Minneapolis, MN

RESEARCH INTERESTS

Intrinsically nonlinear longitudinal models, Crossed random effects, Model fit and model selection, Bayesian methods

SOFTWARE SKILLS

R (Markdown, Quarto, Package Development), SPSS, SAS, JAGS, Qualtrics, Microsoft Office Suite (Word, Excel, and PowerPoint), Git

RESEARCH LABS

Longitudinal Methods Development (LMD) Lab

Lab Director: Dr. Nidhi Kohli

College of Education and Human Development // Department of Educational Psychology
University of Minnesota- Twin Cities // Minneapolis, MN

Sexual Health Research at the University of Minnesota (SHRUM) Lab

Lab Director: Dr. B.R. Simon Rosser

School of Public Health // Division of Epidemiology & Community Health
University of Minnesota- Twin Cities // Minneapolis, MN

PUBLICATIONS

PEER-REVIEWED ARTICLES

[5] Mkonyi, E., Silla, N. B., **Rohloff, C. T.**, Lukumay, G. G., Ross, M. W., Kohli, N., Mgopa, L. R., Massae, A. F., Mohammed, I. S., Mushy, S. E., Mwakawanga, D. L., Rosser, B. R. S., Trent, M. (2023). Not lost in translation: The use of standardized patients technology among health professional students in Tanzania. *East African Journal of Health and Science*, 6(1), <https://doi.org/10.37284/2707-3920>

- [4] **Rohloff, C. T.**, Kohli, N., & Chung, S. (2022). The impact of functional form complexity on model overfitting for nonlinear mixed-effects models. *Multivariate Behavioral Research*, <https://doi.org/10.1080/00273171.2022.2119360>
- [3] Zhang, Z., **Rohloff, C. T.**, Kohli, N. (2022). Model fit indices for random effects models: Translating model fit ideas from latent growth curve models. *Structural Equation Modeling: A Multidisciplinary Journal*, <https://doi.org/10.1080/10705511.2022.2138893>
- [2] Zhang, Z., **Rohloff, C. T.**, & Kohli, N. (2022). Commentary on “Obtaining interpretable parameters from reparameterized longitudinal models: Transformation matrices between growth factors in two parameter spaces.” *Journal of Educational and Behavioral Statistics*, <https://doi.org/10.3102/10769986221126747>
- [1] Rosser, B. R. S., Mkoka, D. A., **Rohloff, C. T.**, Mgopa, L. R., Ross, M. W., Lukumay, G. G., Mohammed, I., Massae, A. F., Mkonyi, E., Mushy, S. E., Mwakawanga, D. L., Kohli, N., Trent, M., Wadley, J., & Bonilla, Z. E. (2022). Tailoring a sexual health curriculum to the sexual health challenges seen by midwifery, nursing and medical providers and students in Tanzania. *African Journal of Primary Health Care & Family Medicine*, 14(1), <https://doi.org/10.4102/phcfm.v14i1.3434>

MANUSCRIPTS UNDER REVIEW

- [3] **Rohloff, C. T.**, Kohli, N., Lock, E. F. (revision under review). Identifiability and estimability of Bayesian linear and nonlinear crossed random effects models. *British Journal of Mathematical and Statistical Psychology*
- [2] Bennis, S. L., **Rohloff, C.T.**, Zhang, Z., Kohli, N., Zoschke, I. N., Rosser, B. R. S., Nyitray, A. G., Wilkerson, J. M., Stull, C. L., Khariwala, S. S., Ross, M. W. (under review). Sexual behavior and perceived risk for oropharyngeal cancer among men who have sex with men: A psychometric scale validation. *Sexually Transmitted Infections*
- [1] Rosser, B. R. S., Mkoka, D. A., Trent, M., Lukumay, G. G., Kohli, N., Mgopa, L. R., **Rohloff, C. T.**, Mkonyi, E., Ross, M. W., Mushy, S. E., Mohammed, I., Massae, A. F., Zhang, Z., Mwakawanga, D. L. (under review). Effects of an Afrocentric sexual health education curriculum for medical, nursing and midwifery students in Tanzania: A single blinded randomized controlled phase 3 trial. *British Medical Journal (BMJ) Open*.

INVITED PRESENTATIONS

- [1] **Rohloff, C. T.**, Kohli, N., Chung S. (2022, March 4). *The Impact of Functional Form Complexity on Model Overfitting for Nonlinear Mixed-Effects Models*. CanAm Online Symposium Series in Educational Research Methods.

PRESENTATIONS

- [15] Bennis S. L., **Rohloff C. T.**, Zhang Z., Kohli N., Zoschke I. N., Rosser B. R. S., Ross M. W. (to be presented 2023, October 5-7). *Measuring the impact of sexual risk on the perception of HPV-associated oropharyngeal cancer risk in men who have sex with men* [Poster presentation]. The Science of Cancer Health Equity in Sexual and Gender Minority Communities. New York, NY.
- [14] **Rohloff, C. T.**, Kohli, N., Lock, E. F. (to be presented 2023, July 24-28). *Identifiability and estimability of Bayesian linear and nonlinear crossed random effects models* [Oral presentation]. International Meeting of the Psychometric Society (IMPS) 2023 Annual Meeting, College Park, MD, United States.
- [13] **Rohloff, C. T.**, Kohli, N., Lock, E. F. (2023, April 13-17). *Model identification for linear and nonlinear Bayesian crossed random effects models* [Paper presentation]. American Educational Research Association (AERA) 2023 Annual Meeting, Chicago, IL, United States.
- [12] Zhang, Z., **Rohloff, C. T.**, Kohli, N. (2023, April 13-17). *Model fit indices for random effects models: Translating model fit from latent growth curve models* [Paper presentation]. American Educational Research Association (AERA) 2023 Annual Meeting. Chicago, IL, United States.
- [11] **Rohloff, C. T.**, Kohli, N., Lock, E. F. (2023, January 27). *Identifiability and estimability of Bayesian linear and nonlinear crossed random effects models* [Poster presentation]. Graduate Student Research Day 2023, Minneapolis, MN, United States.
- [10] **Rohloff, C. T.**, Kohli, N., Chung S. (2022, April 21-26). *The impact of functional form complexity on model overfitting for intrinsically nonlinear longitudinal data* [Paper presentation]. American Educational Research Association (AERA) 2022 Annual Meeting. San Diego, CA.
- [9] Rosser, B. R. S., Mkoka, D. A., Lukumay, G. G., Mgopa, L. R., Trent, M., Ross, M. W., Kohli, N., Massae, A. F., Mkonyi, E., Mushy, S. E., Mwakawanga, D. L., **Rohloff, C.**, Wadley, J., Bonilla, Z. E. (2021, September 9-12). *Development of an African-centric sexual health curriculum for midwifery, nursing and medical students and providers in Tanzania*. 25th Congress of the World Association for Sexual Health, Cape Town, South Africa [Virtual].
- [8] Ross, M. W., Leshabari, S., **Rohloff, C.**, Mkoka, D. A., Lukumay, G. G., Mgopa, L. R., Trent, M., Kohli, N., Massae, A. F., Mkonyi, E., Mushy, S. E., Mwakawanga, D. L., Wadley, J., Bonilla, J. E., Mohammed, I., Rosser, B. R. S. (2021, September 9-12). *Evaluating the sexual health education for professionals scale in a pilot course for health care professions: A Tanzanian trial*. 25th Congress of the World Association for Sexual Health, Cape Town, South Africa [Virtual].
- [7] **Rohloff, C. T.**, Kohli, N., Chung S. (2021, July 19-23). *Functional form complexity and model fit for longitudinal data* [Oral presentation]. International Meeting of the Psychometric Society (IMPS) 2021 Annual Meeting [Virtual].

- [6] **Rohloff, C. T.**, Contreras Gullickson, E., Loiselle, T. (2021, April 8-12). *How middle-school teachers elicit student identity using an SLE and its impact on stem self-efficacies* [Paper presentation]. American Educational Research Association (AERA) 2021 Annual Meeting [Virtual].
- [5] Varma, K., Contreras Gullickson, E., Loiselle, T., **Rohloff, C. T.**, Lopez I., Bullard S., Simpson L., Abdi, A. (2020, June). *Creating equitable connected learning experiences for teachers, students, and parents*. International Conference of Learning Sciences (ICLS), Nashville, TN, United States.
- [4] Varma, K., Gullickson, E., Loiselle, T., Abdi, A., ***Wurth, C.T.**, Bullard, S., Lee, J., Park, J. (2019) *An examination of parent and adolescent roles in a collaborative social media learning environment*. International Convention of Psychological Science (ICLS), Paris, France.
- [3] ***Wurth, C. T.**, Bullard, S., Flower, C., Son, E. (2018, May) *Language differences by environment in stem classroom engagement activities* [Poster session]. Undergraduate Research Symposium, University of Minnesota- Twin Cities, Minneapolis, MN, United States.
- [2] ***Wurth, C. T.** (2018, May) *The effect of class mode on the relationship between academic self-efficacy and class performance* [Poster session]. Undergraduate Research Symposium, University of Minnesota- Twin Cities, Minneapolis, MN, United States.
- [1] ***Wurth, C. T.**, Kostal, J. (2017, August). *The predictive ability of dental admissions tests in the United States and Canada: A meta-analytic review* [Poster session]. Summer Undergraduate Research Symposium, University of Minnesota- Twin Cities, Minneapolis, MN, United States.

**maiden name: Corissa T. Wurth*

AWARDS AND HONORS

<i>Russell W. Burris Memorial Fellowship in Educational Psychology</i> College of Education and Human Development (CEHD) University of Minnesota- Twin Cities	2023-2024
<i>QME Student Research Award</i> Department of Educational Psychology University of Minnesota- Twin Cities	Spring 2023
<i>Best Graduate Student Paper Award</i> Educational Statisticians SIG American Educational Research Association (AERA)	Spring 2022
<i>Certificate for Dedication to Student Learning</i> Thank a Teacher Program, Center for Educational Innovation (CEI) University of Minnesota- Twin Cities	Fall 2020

Psychology Professional Development Funding Award Fall 2019
Department of Educational Psychology
University of Minnesota- Twin Cities

Dean's List Fall 2015-Spring 2018
University of Minnesota- Twin Cities

Recipient of the Selmer-Birkelo Scholarship Spring 2017
University of Minnesota- Twin Cities

Undergraduate Research Scholarship Spring 2015
University of Minnesota- Twin Cities

RESEARCH EXPERIENCE

Graduate Research Assistant (20 hrs/week) January 2021-present
Training for Health Professionals in Tanzania
NIH Grant: #5R01HD092655-04 // PI: Dr. B.R. Simon Rosser
School of Public Health // Division of Epidemiology and Community Health
University of Minnesota- Twin Cities // Minneapolis, MN

Graduate Research Assistant (10 hrs/week) August 2019-January 2020
Algebra Instruction at Community Colleges
NSF Grant: #1561436 // PI: Dr. Laura Watkins
Maricopa County Community College District // Tempe, AZ

Research Assistant May 2018-August 2020
Fostering Equitable Science through Parental Involvement and Technology (ESPRIT)
NSF Grant: #1657088 // PI: Dr. Keisha Varma
College of Education and Human Development // Department of Educational Psychology
University of Minnesota- Twin Cities // Minneapolis, MN

UnLocke Project Intern (for credit) May 2017-July 2017
Birkbeck College // Centre for Brain and Cognitive Development
University College London // London, United Kingdom

Undergraduate Research Assistant (for credit) January 2016-August 2017
Deniz Ones Lab // Advised by: Dr. Jack Kostal
College of Liberal Arts // Department of Industrial/Organizational Psychology
University of Minnesota- Twin Cities // Minneapolis, MN

PROFESSIONAL EXPERIENCE

<i>Analytical Consultant</i> Generation Next Greater Twin Cities United Way // Minneapolis, MN	June 2021-present
<i>District Intern</i> Chi Alpha Campus Ministries // University of Minnesota- Twin Cities	May 2018-May 2019

TEACHING EXPERIENCE

<i>Guest Lecturer</i> EPSY 8215 - Advanced Research Methodologies in Education Department of Educational Psychology // University of Minnesota- Twin Cities	Spring 2023
<i>Teaching Assistant</i> EPSY 8282 - Statistical Analysis of Longitudinal Data Department of Educational Psychology // University of Minnesota- Twin Cities	Fall 2022
<i>Teaching Assistant</i> EPSY 8251 - Methods in Data Analysis for Educational Research I Department of Educational Psychology // University of Minnesota- Twin Cities	Fall 2020

SERVICE

SERVICE TO THE PROFESSION

Psychometric Society Graduate Student Committee // <i>Member</i>	2022-present
AERA (Educational Statisticians SIG) // <i>Submission Reviewer</i>	2022-present
AERA Division D In-Progress Research Gala (IPRG) // <i>Judge</i>	2022

SERVICE TO THE PROGRAM, DEPARTMENT, UNIVERSITY

Women in Quant Graduate Student Group // <i>Founder</i>	2021-present
QME Faculty Search Committee // <i>Student Representative</i>	2021-2022, 2023-2024
Council of Graduate Students (COGS) // <i>Grant Reviewer</i>	2022-2023
Educational Psychology Student Diversity Committee // <i>Member</i>	2020-2022
The Link Tank // <i>Member</i>	2020-2022
Young Scientist Program // <i>Graduate Student Mentor</i>	2020-2021

PROFESSIONAL MEMBERSHIPS

Psychometric Society	2021-present
American Educational Research Association (AERA) Educational Statisticians SIG	2021-present