Dr. Shannon O. Sampson

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Associate Faculty, Department of Educational Policy Studies and Evaluation
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Education

PhD, University of Kentucky, 2005.
Major: Educational Policy Studies and Evaluation
Dissertation Title: An Investigation of Item Fit and Functioning of an Algebra Assessment for English Language Learners

MA, Florida State University, 1997.
Major: Spanish Language and Literature

BA, Georgetown College, 1995.
Major: Spanish
Supporting Areas of Emphasis: Mathematics
Certification to teach Mathematics 9-12, Spanish 6-12

Professional Experience

2026- present	Associate Faculty in Educational Policy Studies and Evaluation
2022 - 2026	Associate Clinical Faculty in Educational Policy Studies and Evaluation Executive Director, College of Education Evaluation Center, University of Kentucky
2017 – 2022	Assistant Clinical Faculty in Educational Policy Studies and Evaluation Director, College of Education Evaluation Center, University of Kentucky
2016 - 2017	Interim Director, College of Education Evaluation Center, University of Kentucky
2015 - 2016	Grant Manager, University of Kentucky *eLearning Innovation Initiative for an Online Research Methods in Education Degree Program*
2006 – 2008	Visiting Faculty in Educational Policy Studies and Evaluation, University of Kentucky
2005 - 2006	Research Associate and Adjunct Faculty, University of Kentucky
2004 - 2005	Research Consultant *Evaluating the quality of a multiple choice and open response science assessment using Rasch measurement*
2000 - 2004	District Resource Specialist, Fayette County Public Schools, Lexington, KY
1997 - 2000	Secondary Spanish Teacher. Lexington, KY
1991 - 1993	Graduate Teaching Assistant, Undergraduate Spanish, Florida State University

Current Contracts, Grants and Sponsored Projects

09/2026-8/2031. National Institute of Occupational Safety and Health. Occupational Safety and Health Education and Research Centers (T42): Central Appalachian Regional Education Research Center (CARERC). Deputy Director year 1, Director years 2-5.

09/2026-08/2031. National Institute of Occupational Safety and Health, Central Appalachian Regional Education Research Center (CARERC): Occupational Safety and Health Education and Evaluation Core PI.

10/2025-9/2029. National Science Foundation, Collaborative Research: EducateAI: CUE-T: Designing Inclusive Artificial Intelligence Curricula for All Undergrads. Co-Investigator.

10/2025-6/2031. National Science Foundation, NOYCE: Kentucky Teachers Improving Education in STEM. Evaluator.

9/30/2022-9/29/2026. National Institute of Occupational Safety and Health. Southeast Center for Agricultural Health and Injury Prevention (SCAHIP). Lead of External Evaluation Team.

Previous Contracts, Grants, and Sponsored Projects

7/2025-7/2026. MOA with Fleming County. Evaluative Support for Building a Local Accountability Framework.

1/2023-12/2025. US Department of Education, Prichard Committee. Kentucky's Statewide Full-Service Community Schools Program. PI of Evaluation. (Note: this grant was awarded through 12/31/2027, but it was discontinued.)

6/2025-5/2026. University of Kentucky Internal Unity Grant. “Enhancing Community Engagement in Local Accountability through a Validity Inquiry Tool”

2022-2026. Yearly MOA with KYStats for a fully funded liaison position that conducts evaluation work.

10/1/2023-9/30-2028. Center for Disease Control. EMPOWER: Empowering and Mobilizing Intergenerational Community Partners to Reduce Menthol & Flavored Tobacco Use Among At-risk Communities in Kentucky. Co-I, Evaluation.

2/2023-1/2024. National Science Foundation. Engineering WISE (Wellness Through Integrated Support and Engagement). Advisory role regarding assessment.

7/1/2020-6/30/2025. Health Resources and Services Administration. Residency Training in Primary Care. External Evaluator.

4/1/2023-3/31/2025. National Science Foundation. From a Carbon Centric to Circular Economy: Generating Advanced Manufacturing Excellence for Change (GAME Change) for the Southeastern Commerce Corridor. Leadership Team, Evaluation and Assessment.

7/1/2022-6/30/2024. Kentucky Cabinet for Health and Family Services. Tobacco Prevention and Cessation Program Co-I, Lead Evaluator

9/2022-8/2024. National Science Foundation. Research Analytics Using the Higher Education Research and Development Survey (HERD) to Impact Institutional Strategy. Co-I, year 1.

9/2021-9/2026. Isaiah House Workforce Training and Placement Grant Evaluation. PI of Subaward.

9/2021-8/2026. US Department of Education, Office of English Language Acquisition Project EXCEL (Expertise for Classroom Equity through Literacy). Co-I. (discontinued 12/2025)

7/1/2019-6/30/2025. National Institute of Occupational Safety and Health. Occupational Safety and Health Education and Research Centers (T42): Central Appalachian Regional Education Research Center (CARERC). Lead of External Evaluation Team.

12/2022-6/2023. Kentucky Association of Colleges for Teacher Education. KY Statewide Principal Survey Project. PI.

9/2022-8/2023. College of Medicine Psychometrics. Internal UK Funding.

10/2021-9/2022. Farm and Ranch Staff Assistance Network Program (FRSAN). Building evaluation structures and conducting initial evaluation activities for FRSAN-funded programs. PI.

Spring 2021- University of Kentucky Igniting Research Collaborations *Developing an Artificially Intelligent (AI) Coach for Reducing Sedentary Habits.* Co-I.

7/30/2021-6/30/2022. University of Kentucky Civil Rights Initiative; Evaluation Team Lead. Survey Development, Data Analysis and Reporting for Paducah School District Racial Equity Work. Evaluation Team Lead.

7/2021-6/2022. Evaluation of the NextGen Dual Credit Program; Evaluation Team Lead (internal University contract to the Evaluation Center.)

6/2021-7-31/2021. Southeast Center for Occupational Safety and Health Pilot Funds, PI. *Listening Sessions on COVID-19: Vaccine Decision-Making and Information Dissemination Preferences among Agricultural Workers.* Pilot Grant for Conducting Listening Groups toward the Development of Stakeholder-Informed Vaccine Education Materials.

6/30/2020-8/30/2021. Evaluation of the Healthy Tree App Pilot, Evaluation Team Lead.

6/2019-6/30/2021. Health Resources and Services Administration; External Evaluator, *Primary Care Training and Enhancement*. This project began with an audit of the original grant evaluation at the midpoint of the project, with a subsequent contract to redesign and conduct the evaluation for the remaining years of the grant.

6/30/2019- 6/2023 National Institute for Occupational Safety and Health; Co-I, External Evaluator, *Southeast Center for Agricultural Health and Injury Prevention*. Evaluation team lead for this Center grant, participating in bi-monthly planning meetings and conducting evaluation activities for the Center and supporting evaluation activities for funded projects.

4/1/2018-3/31/2023. National Science Foundation; External Evaluator. *UK Noyce STEM PLUS: Producing Leaders for Urban/rural Schools.*

7/1/2018- 6/2022 National Institute for Occupational Safety and Health; Co-I, External Evaluator. *Central Appalachian Region Educational Research Center*. Evaluation team lead for this Center grant, studying graduating student, alumni and employer feedback on the program, and reporting on the quality and application of continuing education activities.

7/1/2018-6/31/2019. "First Year Engineering Evaluation", University of Kentucky College of Engineering.

7/1/2018-6/30/2023. Kentucky Department of Public Health, External Evaluator; *Youth Tobacco Advocacy Training Program*.

9/1/2017-6/30/2022. U.S. Department of Education, Office of English Language Acquisition; Co-I; *Project PLACE (Partnerships for Learning, Achievement, and Classroom Engagement).*

7/1/2017- 11/2022. Center for Collaborative Literacy Development. *Evaluation of the Statewide Kentucky Read to Achieve Grant*, PI.

8/1/2017- 6/30/2022. Kloiber Foundation Incorporated; PI. *Evaluation of 'If I Had a Hammer' Program,* ($218,900).

6/2017-6/2020. National Science Foundation. External Evaluator. *REU Site: Supporting Undergraduate Preservice Teachers as Research Fellows in Timely STEM Education Research.*

4/1/2017-6/30/2018. KY Council on Postsecondary Education, Co-I, *Preparing Educators to Serve in Career-Themed Academies.*

7/1/2017-3/31/2018. Department of Defense Educational Activities, Outside Evaluator; DoDEA project 2017-2018 in Clarksville Montgomery County School System.

11/3/2017-6/1/2018. US Department of Education, External Evaluator; *Student Success Initiative*. Sponsored by KY Community & Technical College System.

7/2016- 5/2019 National Science Foundation, External Evaluator*; Full Steam Ahead*.

11/1/2016- 6.30/2018. KY Department of Juvenile Justice, Co-I; *Victimization Survey PHASE II: GMB UK Psychometrics*."

10/1/15-9/30/18. FIPSE, Federal, Evaluation Budget, External Evaluator; *Evaluating Elizabethtown Community and Technical College's Center of Excellence for Veteran Student Success".*

10/1/2005-6/30/2005. KY Education Professional Standards Board, *Co-I Constructing a Methodological Training Tool for Putting Assessment into Practice*.

1/1/2005-12/31/2005. University of Kentucky Faculty Research Support Program. Co-I; *A Pilot Study: Measuring Achievement Responsibly in High School Mathematics, In Investigation of Limited English Proficient Students.*

Publications

**Indicates former student, RA, intern, or Evaluation Center staff member*

Measurement

McConnell Parsons, J.*, McConnell Parsons, J., Kohls, K.*, Ridolpho, J., **Sampson, S.O.** (April 2026-early release). Validating a measurement of foundational inquiry skills (FIS) in first-year college composition courses. *Intersection: A Journal at the Intersection of Assessment and Learning.* https://doi.org/10.61669/001c.160132

Sampson, S., Cantrell, S., Perry, K., & Kolawole, O.* (2025). Empowering education: Evaluating and enhancing culturally responsive instruction for teachers of English learners in K–8 classrooms. *TESOL Journal, 16*(2), Article e70023. https://doi.org/10.1002/tesj.70023

Sampson, S., Nelson, A.*, Cardarelli, R., & Roper, K. L. (2024). Ensuring the "health" of a curricular program evaluation: Alignment and analytic quality of two instruments for use in evaluating the effectiveness of an interprofessional collaboration curriculum. Evaluation and Program Planning, 102, 102377. https://doi.org/10.1016/j.evalprogplan.2023.102377

Oldham, C*, Guffey, K., Link, K., **Sampson, S.,** McQueen, T., & Stanton, A. (2023). Measuring gatekeeper instructor comfort to inform suicide prevention train-the-trainer recruitment & training in agricultural communities. *Journal of Agromedicine, 28*(4), 689-702. https://doi:10.1080/1059924X.2023.2215249 Epub 2023 May 25. PMID: 37222378.

Sampson, S.O., Xia, Y*., McConnell Parsons, J., Cardarelli, R. (2023) Reduce, reuse, recycle: Saving resources by repurposing data to address evaluation questions. *Education in the Health Professions.* https://10.4103/EHP.EHP_14_22

Oldham, C*. A., Mazur, J., **Sampson, S. O**., Kussainov, N., Kolawole, O*. (2023). Evaluating an agricultural community suicide prevention program: Instrumentation and impact. *Journal of Agricultural Safety and Health*, 29(1), 33-45. https://doi.10.13031/jash.15050

Roper, K., Nelson, A*., **Sampson, S**. (2022). Alignment and analytic quality of two interprofessional collaboration tools for a residency training evaluation. *The Annals of Family Medicine.* (Supplement 1) 2897; DOI: https://doi.org/10.1370/afm.20.s1.2897

Lingat, J.E.*, Toland, M., **Sampson, S.**, Measuring sense of belonging: Existing tools and future improvements (2021). *The Impact of Sense of Belonging in College.* Chapter 20. Sterling, Virginia.

Sampson, S. O., Bradley, K., Nelson, A.* (2021). Creating a structurally sound instrument by utilizing principles of measurement theory. In Ulemu Luhanga, Gregg Allen Harbaugh (Ed.), *Basic elements of survey research in education: Addressing the problems your advisor never told you about.* Chapter 4. American Educational Research Association Survey Research in Education SIG.

Goldsmith, J., Burton, E., Dueber, D. M., Goldstein, B., **Sampson, S.,** & Toland, M. D. (2020). Assessing ethical thinking about AI. *AAAI (pp. 13525-13528).*

Burton, E., Dueber D., Goldsmith, J., Goldstein, B., **Sampson, S.,** & Toland, M. D. (2020). Assessment of CS students' ethical reasoning skills. *In Proceedings of the 51st ACM Technical Symposium on Computer Science Education (SIGCSE '20). Association for Computing Machinery, New York, NY, USA, 1406. https://doi.org/10.1145/3328778.3372529*

Setari, A., Bradley, K.D., Stanek, M., **Sampson, S.O.** (2020). Validating a victimization risk perception scale for college campuses for sexual assaults. *Journal of Higher Education Management.* 35(24).

Sampson, S. O., Bradley, K., Arrowsmith, H., Mensah, R. (2017). Implementing a measurement framework to assess and evaluate student readiness for online learning and growth. In Keengwe, Sagini (Ed.), *Handbook of research on pedagogical models for next-generation teaching and learning* (Chapter 17). Hershey, PA: IGI Global

Jung, L. A., Bradley, K. D., **Sampson, S. O**., McWilliam, R. A. & Toland, M. D. (June 2015). Evaluating construct validity and internal consistency of early childhood individualized family service plans. *Studies in Educational Evaluation*, 45, 10-16.

Bradley, K. D., Peabody, M., & **Sampson, S.O**. (January 2015). Quality control in survey design: Evaluating a rating scale of educators' attitudes concerning differentiated compensation. *International Journal of Assessment Tools in Education* 2(1). https://10.21449/ijate.239565

Sampson, S. O. (2009) Chapter 4. Assigning fair, accurate, and meaningful grades to students who are English language learners (ELL) In Guskey, T. (Ed.) *Practical solutions for serious problems in standards-based grading*. Corwin Press.

Bradley, K.D. and **Sampson, S.O**. (2006). Chapter 2. Utilizing the Rasch model in the construction of science assessments: The process of measurement, feedback, reflection and change In Liu, X. (Ed.) Applications of Rasch measurement in Science. JAM Press.

Bradley, K.D., **Sampson, S.O**. and Royal, K.D. (October, 2006). Gaining insights into students' conceptualization of quality mathematics instruction. *Mathematics Education Research Journal* 18(2), 11-26. https://api.semanticscholar.org/CorpusID:62489679

Bradley, K.D. **& Sampson, S.O.** (Spring, 2005). A case for using a Rasch model to assess the quality of measurement in survey research. *The Respondent,* 12-13.

Sampson, S. O. & Bradley, K. D. (2003). Rasch analysis of educator supply and demand rating scale data: An alternative to the true score model. Research Methods Forum, Volume 8. http://division.aomonline.org/rm/

Teaching of Evaluation/ Evaluation Capacity Building

Sampson, S. O., Keene, H.*, Langworthy, A*, Omotilewa, O.*, Paul, M.*, & Shukla, G*. (2026). Artificial intelligence as an academic ally: A Quality improvement initiative for a graduate evaluation course. *American Journal of Evaluation*, *47*(1), 8-17. https://doi.org/10.1177/10982140251400866

Sampson, S., Bradley, K., Waddington, J. (2023). Setting up to thrive by anchoring in evaluation. In Jared Keengwe (Ed). *Handbook of research on innovative frameworks and inclusive models for online learning.* Chapter 6. IGI Global. https://10.4018/978-1-6684-9072-3

Sampson, S., Oldham, C*. (2021) Assessment as the bridge between culturally responsive teaching and learning. In S. Cantrell & R. Powell (Eds.), *Framing culturally responsive instruction: Implementing the CRIOP model in K-8 classrooms.* Myers Education Press. Gorham, Maine.

Research Stemming from Evaluation Projects

Cantrell, S., Perry, K., **Sampson, S.,** Kolawole, O.*, Davis, C.* (2026). The impact of professional development on in-service teachers' diversity-related beliefs. *Teacher Development*. Advance online publication. https://doi.org/10.1080/13664530.2026.2620455.

Cantrell, S.C., **Sampson, S.O.** Perry, K.H., Robershaw, K.* (2022). The impact of professional development on inservice teachers' culturally responsive practices and students' reading achievement. *Literacy Research and Instruction*, https://10.1080/19388071.2022.2130117

Lingat, J.E.*, Ryser-Oatman, J.*, Richardson, J., Epps, M., **Sampson, S.O.,** Toland, M., Brace, D. (2023). "We have our own belonging": A Qualitative investigation of postsecondary students' sense of belonging across online and face-to-face course formats. *Student Engagement in Higher Education Journal*, *4*(3), 68–90. Retrieved from https://sehej.raise-network.com/raise/article/view/1136

Sampson, S., Mazur, J.M., Israel, G., Galindo, S., Ward, C. (2020). Competing roles and expectations: Preliminary data from an agricultural extension survey on COVID-19 impacts. *Journal of Agromedicine.* https://doi.org/10.1080/1059924X.2020.1815619.

Ickes, M., **Sampson, S**., Parsons, J., Rayens, M.K., Xiao*, M., Fisher, A., Mundy, M., Hahn, E. (2019). Tobacco-free ambassador partnership: Empowering youth advocates in Appalachian communities. *Health Promotion Practice. DOI: 10.1177/1524839919880563*

Lyon, E., Freeman, R., Bathon, J, Fryer, A, McGlue, Erhardt, Rosen, **Sampson, S,** Nelson, A.*, Parsons, J. (2019). Attitudinal impediments to geoscience major recruitment among ninth graders at a STEAM high school. *Journal of Geoscience Education. https://doi.org/10.1177/1524839919880563*

Bradley, K.D**., Sampson, S.O.,** Ma, L. and Cunningham, J.D. (December, 2006). Where are the teaching opportunities? A Longitudinal study of educator supply and demand. *Teachers College Record.*

Manuscripts Under Review and in Active Development
Indicates former student, RA, intern, or Evaluation Center staff member

Governance Tensions (Agency Under Constraint)

Perry, K., Cantrell, S., **Sampson, S.** (Revising for resubmit). Teachers' change in understandings of asset-based pedagogies as a result of intensive professional development. *Journal of Teacher Education.*

Sampson, S., Lambert, M., Bradley, K. (in development). Gatekeeper of the gatekeeper: An Exploration of 8th grade math placement policies in a suburban southeast school district.

Sampson, S., Mattingly, K*., Finley, K.*, Creasman, B., Oldham, C.* (in development). Working Title: Framework for enacting local accountability within a state assessment system.

Evaluation Capacity Building

Niehaus, K.*, Oldham, C.*, **Sampson, S.*** (revise and resubmit). Applying the interactive systems framework to the evaluation of full-service community schools: Implications for for implementation fidelity and technical assistance. *Evaluation and Program Planning.* Manuscript Number: **EPP-D-25-01082**

Oldham, C.*, Niehaus, K,* Clontz, K.*, Cole, A.*, Meersman, P.*, **Sampson. S**. (ready for submission). Illuminating the black box of technical assistance through heat map visualization.

Sampson, S., Meersman, P.* (in development). Working Title: The work of listening: Substantive interaction in an asynchronous research methods course. Target journal: Teaching Educational Research Methods

Contextually Grounded + Externally Defensible Measurement

Patterson, J.T.*, **Sampson, S.,** Cantrell, S. (under review). Model comparison of the Culturally Responsive Instruction Observation Protocol (CRIOP): A confirmatory factor analysis approach. *Assessment for Effective Intervention.*

Sampson, S., Cantrell, S., Kolawole, O.*, Perry, K. (in development, presenting at AERA). Extending the Short Critical Consciousness Scale: Measuring critical action among K-8 In-service teachers.

Peer-Reviewed Presentations (*Indicates Evaluation Center RA or Intern)

National

Patterson, J.*, Kolawole, O.*, **Sampson, S.** (2026, April 11). *Teachers' culturally responsive teaching self-efficacy on the math achievement of English language learner (ELL) students*. Annual Meeting of the American Educational Research Association, Los Angeles, CA, United States. Poster Presentation.

Patterson, J.*, Kolawole, O.*, **Sampson, S.** (2026, April 8). *Influence of CRIOP (Culturally Responsive Instruction Observation Protocol) Family Indicators on the Math Achievement of English Language Learner (ELL) Students*. Annual Meeting of the American Educational Research Association, Los Angeles, CA, United States.

Potterton, A., Mirakhur, Z., **Sampson, S**., Bradley, K., Moore, I. (2026, April 8). Symposium: *What Does it Mean to be a Community School? Voices From Kentucky.* Annual Meeting of the American Educational Research Association, Los Angeles, CA, United States.

Sampson, S., Cantrell, S., Kolawole, O.*, Perry, K. (2026, April 9) *Extending the Short Critical Consciousness Scale: Measuring Critical Action Among K–8 In-Service Teachers.* Annual Meeting of the American Educational Research Association, Los Angeles, CA, United States.

Sampson, S.O. (Chair & Co-author). (2025, April 26). *Scaling and sustaining equitable community schools: Lessons from Kentucky* [Symposium]. Annual Meeting of the American Educational Research Association, Denver, CO, United States. (Papers I was involved with: *Teachers as Learners: Instructional Capacity in Community Schools,* with Anastacia Cole and Kristin Finley;

Putting the "Community" in Community Schools: Taking Stock of Community Mobilization Survey Results with Carolyn Oldham and Kelly Bradley).

Kolawole, O.*, & **Sampson, S**. (2025, April 24). *Navigating the implementation of culturally responsive instruction: Teacher practices, challenges, and barriers* [Roundtable presentation]. Annual Meeting of the American Educational Research Association, Denver, CO, United States.

Cantrell, S., Perry, K., **Sampson, S.O.** (2024, November 20). *Capturing Teachers' Implementation: Measuring Culturally and Linguistically Responsive Instruction.* Plenary Session for US Department of Education National Professional Development Grantee Meeting, San Diego, CA.

Session Facilitator for Cole, A., Oldham, C., Potterton, A. (2024, October). Building Structure and Flexibility: Lessons from the First Year of an Evaluation of Full-Service Community Schools in Kentucky. American Evaluation Association Annual Meeting, Portland, OR.

Sampson, S.O., Oldham, C., Potterton, A., Cole, A.*, Bradley, K.D., Finely, K., Mirakhur, Z. (2024, October). *Vision, Voice, and Vigor: Managing a Complex Evaluation at a University-Based Evaluation Center.* American Evaluation Association Annual Meeting, *Portland, OR.*

Patterson, J.T.*, Cole, A.E., **Sampson, S.O**., & Cantrell, S. (2024, August 8-10). *Exploring the Impact of Culturally Responsive Teaching and Student Factors on Reading Scores.* [Poster Presentation]. American Psychological Association, Seattle, WA.

Cantrell, S., Perry, K., **Sampson, S. O**., Davis, C., Kolawole, O*., Literacy Research Association, Literacy Research Association, "The impact of professional development on in-service teachers' diversity-related beliefs." (December 2023).

Sampson, S.O., McConnell Parsons, J., LaCour, S. *Measuring Perceptions of Equity*: *A Pilot Validity Study of Instruments Used in an Equity Audit.* (April, 2023). American Educational Research Association Annual Meeting, Chicago, IL.

Peabody, M., **Sampson, S.O.,** Bradley, K.D., Ayoob, A., *Investigating rater bias in Objective Structured Clinical Examinations under a Many-Facet Rasch model framework* (April, 2023) American Educational Research Association Annual Meeting, Chicago, IL.

McConnell Parsons, J., McConnell Parsons, J., **Sampson, S.O**. *Measuring Foundational Inquiry Skills in First-Year College Composition Courses* (April, 2023). American Educational Research Association Annual Meeting, Chicago, IL.

Sampson. S.O., Moore, M.* (November 2022). *Assessing survey quality through a culturally grounded validity inquiry process.* American Evaluation Association Annual Meeting. New Orleans, LA.

Xia, Y*., **Sampson. S.O.** (November 2022). *Using a many-facets Rasch model to develop a quality improvement scale.* American Evaluation Association Annual Meeting. New Orleans, LA.

Sampson, S.O., Xia, Y.*, McConnell-Parsons, J. (April, 2022). *Reduce, reuse, recycle in evaluation: Saving resources by repurposing existing data to address evaluation questions.* Presented at American Educational Research Association Annual Meeting, San Diego, CA.

Roper, K., **Sampson, S.O.,** Nelson*, A. (November, 2021) *Alignment and analytic quality of two interprofessional collaboration tools for a residency training evaluation*. Paper presented at

NAPCRG Annual Meeting. Virtual.

Sampson, S.O., Xiao, M.* (September, 2021) *Application of a Culturally Responsive Framework to Develop a Measure of Readiness for Teaching STEM in High Needs Schools*. Culturally Responsive Evaluation and Assessment Conference, Virtual.

Sampson, S., Moore, M.* (2021, June). Using Contribution Analysis to Frame Evaluation Planning. International Society for Agricultural Safety and Health. (ISASH). Virtual Conference June 21, 2021.

Cantrell, S., Perry, K., **Sampson, S**. (April, 2021) *Teachers' Perceptions of Culturally Responsive \ Practices in the Context of Professional Development.* American Educational Research Association.

Niu, C., Bradley, K., **Sampson, S.,** Jin, R.*, Xia, Y.*, Shen, L.*, Zhang, J., Wu, R. & Li, N.* (June, 2021). *Simulation study: Evaluating Rater Category Ordering with the JML-Rasch-MFRM Model in Facets*. Poster proposal accepted for the 2021 National Council on Measurement in Education (NCME) Annual Meeting, Baltimore, MD.

Cantrell, S., Perry, K., **Sampson, S,** Robershaw, K.* (2020) *The Impact of a Coaching-Based Professional Development on Teachers and Students.* Literacy Research Association Annual Meeting.

Sampson, S., Mazur, J.M., Yang, C.* (2020). Bringing a Constellation of Evidence into Focus Through an ASH Center-wide Contribution Analysis Evaluation Approach. Presented at the International Society of Agricultural Safety & Health (ISASH). Virtual Conference July 29, 2020. (online due to COVID-19 strictures).

Galindo, S., Ramos, A., **Sampson, S**. Impacts of COVID-19 on Extension Agents – Agricultural Health and Safety Centers Roundtable. State of Science Conference, University of Florida. September 18, 2020.

Cantrell, S., Perry, K., **Sampson, S.,** *Teachers' efficacy for and implementation of culturally and linguistically responsive practices*. Literacy Research Annual Conference. December 5, 2019. Tampa, FL.

Sampson, S. O. & Cantrell, S. (2020, Apr 17 - 21) *A Simple and Instructive Approach to Examining Interrater Reliability* [Poster Session]. AERA Annual Meeting San Francisco, CA http://tinyurl.com/s49atnf (Conference Canceled)

Cantrell, S., **Sampson, S. O**. & Perry, K. H. (2020, Apr 17 - 21) *The Impact of Professional Development with Coaching on Teachers' Implementation of Culturally Responsive Practices* [Roundtable Session]. AERA Annual Meeting San Francisco, CA http://tinyurl.com/sevnbkn (Conference Canceled)

Sampson, S. O., Dai, J.* & Hollen, L. (2020, Apr 17 - 21) *Exploration of the Psychometric Properties of Formative Assessment Items Developed by Teachers for Teachers* [Roundtable Session]. AERA Annual Meeting San Francisco, CA http://tinyurl.com/v56fjoz (Conference Canceled)

Sampson, S. O., Dai, J.*, Xiao, M.*, Robershaw, K. L.*, & Eustice, S.* (November, 2019). *Multiple*

papers: Applications of Rasch measurement in evaluation practice. Paper to be presented at American Evaluation Association Conference, Minneapolis, MN.

Cantrell, S., Perry, K., **Sampson, S.,** (2019) *Supporting classroom teachers' implementation of culturally and linguistically responsive instruction.* Office of English Language Acquisition National Professional Development Directors Meeting. Washington, DC.

Burton, E., Dueber, D., Goldsmith, J., Goldstein, B., **Sampson, S**., Toland, M., *How do we assess descriptive ethical thinking about CS?* Birds of a Feather for SIGCSE 2020, Portland OR.

Lyon, E., Nelson, A.*, Freeman, R., **Sampson, S.** (2018). Geological Society of America 130th Annual Meeting*, Lack of Exposure or Lack of Interest? Exploring 9th Graders' Perceptions of Geoscience at a STEAM High School,* Geological Society of America.

Ricco, G., Lumpp, J., Parsons, J., **Sampson, S**., Hubbard, B.*, (2018, June) *A second year review of a new FYE program*. 2018 ASEE Annual Conference and Exposition. Paper available at peer.asee.org (Paper ID #23636)

Sampson, S., Bieber, J., (October, 2018). *Alone in the crowd: Can anyone hear me*?, American Evaluation Association Annual Meeting, "Presented at Paper Session "Military Voices: Finding, Understanding, and Giving Voice to Military-Connected Students and Families in both K-12 and Higher Education, Cleveland, OH.

Sampson, S. O, Mazur, J., Lingat, J.-E.*, Ryser-Oatman, J.* (2018, October) *Measuring Educator Sensitivity Toward Military-Connected Student*s. American Evaluation Association Annual Meeting, Cleveland, OH.

Sampson, S. O., Parsons, J.M. (2018). *Teaching through Feedback: Implementing Incremental Formative Feedback Reports to Improve Quality and Engagement at a University-based Evaluation Center,* American Evaluation Association Annual Meeting, Cleveland, OH.

Roberts, A., **Sampson, S. O.** (2018) *"Appropriate for all? Rasch analysis of a scale for teachers' perceived challenges."* American Educational Research Association Annual Meeting, New York, NY.

Setari, A., Bradley, K, Marjorie, S, **Sampson, S. O.**, (2017) *Psychometric examination of a risk perception scale for evaluation* (Round Table) American Educational Research Association Annual Meeting, San Antonio, TX.

Setari, R., **Sampson, S. O.,** Bradley, K., Marjorie, S. (2017) *Revision of the statewide victimization survey* (Poster). American Educational Research Association Annual Meeting, "" San Antonio, TX.

Sampson, S. O. (2016), Arrowsmith, H., Bradley, K., Richard, M., *Using an online learning course to increase retention and enhance experiences in an online program*, Paper presented at American Educational Research Association Meeting, Washington, DC.

Jung, L. A., **Sampson S. O**. & Bradley, K. D. (2007). *Applying the Rasch model to guide refinement of early childhood Individualized Family Service Plan*. Paper presented at the American Educational Research Association Annual meeting, Chicago, IL.

Bradley, K. D., Cunningham, J. D. **& Sampson, S. O.** (2007). *Evaluating and restructuring science assessments: An example measuring students' conceptual understanding of heat.* Paper presented at the American Educational Research Association annual meeting, Chicago, IL.

Sampson, S.O. & Bradley, K. D. (2006). *Investigating the fit and functioning of a high school algebra assessment for English language learning using the dichotomous Rasch model.* Paper presented at the American Educational Research Association Annual meeting, San Francisco, CA.

Jung, L. A., Bradley, K. D., **Sampson, S. O**. & McWilliam, R.A. (2006). *Applying Rasch measurement to validate the IFSP rating scale.* Paper presented at the Conference on Research Innovations in Early Intervention (CRIEI), *S*an Diego, CA.

Bryant, B. J., Loadman, W. E., Bradley, K. D., **Sampson, S. O**. & Cunningham, J. D. (2006). *Imagine a future where there are enough qualified teachers: Supply and demand of educators.* Paper presented at the American Association of Colleges for Teacher Education annual meeting, San Diego, CA.

Bradley, K. D. & **Sampson, S. O.** (2005). *Improving data collection through Rasch measurement: A continuing study of supply and demand*. Paper presented at the American Educational Research Association annual meeting, Montreal, Canada.

Sampson, S. O. & Bradley, K. D. (2005). *Quality control in survey design: Evaluating a rating scale of educators' attitudes toward differentiated compensation*. Paper presented at the American Educational Research Association annual meeting, Montreal, Canada.

Sampson, S. O. & Bradley, K. D. (2004). *Measuring factors impacting educator supply and demand: An argument for Rasch analysis.* Paper presented at the American Educational Research Association annual meeting. San Diego, CA.

<u>Regional</u>

Kolawole, O*., **Sampson, S. O.,** MWERA Annual Meeting, Midwest Educational Research Association, "The Effect of Professional Development on Teachers' Culturally Responsive Teaching Self-efficacy and Multicultural Teaching Competency." (October 19, 2023).

Wilson, N*, **Sampson, S.O.,** Bradley, K.D. (2021) *Instrumentation and validity of a department chair evaluation tool: A Rasch measurement study.* Paper presented at the Midwest Educational Research Association Annual Meeting, October 14, 2021. Cincinnati, OH.

Xia, Y.*, **Sampson, S.O.,** McConnell-Parsons, J. (2021) *Development of a Literacy Capacity Scale under the many facets Rasch model.* Paper presented at the Midwest Educational Research Association Annual Meeting, October 14, 2021. Cincinnati, OH.

Qiu, C*. **Sampson, S.O.,** Wilson, N.*, Robershaw, K.* (2021) *An application study of teachers' culturally responsive teaching self-efficacy using the racked Rasch model.* Paper presented at the Midwest Educational Research Association Annual Meeting, October 14, 2021. Cincinnati, OH.

Li, N.*, **Sampson, S.O.*** (2021) *A Case Study: The Rasch model applied in comparison of teacher efficacy.* Poster presented at the Midwest Educational Research Association Annual Meeting, October 14, 2021. Cincinnati, OH.

Dai, J., **Sampson, S.O.,** (2019) *If I Had a Hammer evaluation: Listening to students.* Paper presented at the Midwest Educational Research Association Annual Meeting, Cincinnati, OH.

Yang, C*. and **Sampson, S.O.** (2019) *Validating the first-year engineering assessment tool: A Rasch analysis.* Midwest Educational Research Association Annual Meeting, October 17, 2019. Cincinnati, OH.

Xiao, M.*, **Sampson, S.O.**, Parsons, J., Oatmann, T.*, (2019) *Validation of survey items related to community college resource use.* Midwest Educational Research Association Annual Meeting, Cincinnati, OH.

Lingat, J.E*., Ryser-Oatman*, J.T., Fisher, A.*, **Sampson, S.O.,** (2019) *Processing an innovative fraction learning program: A case study using teachers' perceptions*. Midwest Educational Research Association Annual Meeting, Cincinnati, OH.

Xiao, M.* & **Sampson, S. O.** (March, 2019). *Same data, different angles: communicating evaluation findings to multiple stakeholders.* Paper presented at Spring Research Conference, March 2019, Lexington, KY.

Sampson, S. O., Bradley, K., Richardson, J. W., (November, 2018) "*A comprehensive evaluation plan for a cutting-edge online research method program*," Paper presented at Mid-western Evaluation Research Association, Cincinnati, OH.

Sampson, S. O. (2018), *Gatekeeper of the gatekeeper: An exploration of 8th grade math placement policies in a suburban southeast school district,"* Mid-western Educational Research Association Annual Meeting and Conference, Cincinnati, OH.

Sampson, S., Bradley, K. Stuck, J., Ryser-Oatman, J., Stanek, M., (2018, October) *Adapting a Victimization Survey for Use in Higher Education Settings,*" Mid-western Educational Research Association Annual Meeting and Conference, " Paper presented at Midwest Educational Research Association, Cincinnati, OH.

Sampson, S. (2018), 2018 UK College of Education Ed Talks, *Strengthening research and practice through inclusive evaluation*. University of Kentucky College of Education.

Bradley, K. D., **Sampson, S. O.** & Cunningham, J. D. (2007). *Constructing and analyzing teacher-made assessments.* Presentation at the Kappa Delta Pi convocation, Louisville, KY.

Service, National and Local

National

Midwest Educational Research Association (MWERA) Council, October 2023-October 2025.

National COVID Vaccine Subcommittee through Agricultural and Health Centers; designed to elicit feedback from Agricultural, Forestry and Fishing workers around perceptions and barriers to getting the vaccine. Conducting "sondeos" (listening groups) (2021)

Member of National Agricultural Safety and Health Centers COVID-19 Workgroup for Survey to Extension Professionals (Spring-Summer 2020)

Member of Contribution Analysis workgroup to develop a shared logic model and evidence package for Rollover Protection projects across NIOSH Centers

College and Department

Co-leader of the University of Kentucky Community of Applied Research and Evaluation (2020-2022)

Co-facilitator of Rasch Research Group (2019-2020 academic year)

Member of Departmental Search Committee for faculty member in Equity, Diversity, Inclusion line (2019)

Member of the Departmental Research Methods workgroup, engaging in evaluation and reflection of the program and updating the program to include a policy strand (2021)

Professional Development and Training Sessions

Cole, A**., Sampson, S.** (October 8, 2025). Teachers as Learners: Instructional Capacity in Community Schools. Institute for Educational Leadership Research to Practice Network Webinar.

Galdindo, S., Ramos, A., **Sampson, S.,** Simon, R*. (2021). Webinar: COVID-19 Vaccine Perceptions Among Agricultural, Fishing and Forestry (AgFF) Audiences. Recording available at http://www.sccahs.org/index.php/webinars/covid-19-vaccine-perceptions-among-agricultural-fishing-and-forestry-agff-audiences/

Sampson, S., Bradley, K.D., Peabody, M. *A Primer on Rasch measurement and analysis* Saturday, American Evaluation Association Post-Conference Workshop, 2:15-5:15 pm. November 16, 2019. Minneapolis, MN. Honorarium donated to student travel award fund.

Sampson, S. (2019*) Leveraging the tension between research and evaluatio*n. Southeast Regional Research Symposium, Tampa, FL.

Sampson, S.O, (2019) *Program Evaluation* Childhood Agricultural Injury Prevention Workshop. Lexington KY

Sampson, S.O, Mazur, J. (2019) *Program Planning, Implementation and Evaluation* Childhood Agricultural Injury Prevention Workshop, Lexington, KY.

Sampson, S.O. and Mazur, J. (2107) *Hands-on workshop for evaluators of DoDEA grants awarded*. New Orleans, LA.

Sampson. S.O., Professional Development for K-12 teachers on assessment of student learning, Colegio Bautista, Temuco Chile (2005)

Courses Taught

University of Kentucky

EPE/EDP/KHP 520 Introduction to Program Evaluation (online asynchronous)
EPE 619, Survey Research Methods
EPE/ANT/EDP 620 SOC 622, Topics and Methods of Evaluation (online asynchronous and face to face)
EPE/ANT/EDP 621, Advanced Topics and Methods of Evaluation (online asynchronous and face to face)
EPE 790, Internship in Educational Policy Studies and Evaluation (2 interns per semester)
EPE/EDP 773, Rating Scales and Questionnaire Analysis
EDP 656, Methodology in Educational Research
EPE 660, Research Design and Analysis in Education
EPE 301, Education in American Culture

Theses and Dissertations

Current Committee Service
Amber Kizewski (Chair), Preparing Dissertation Proposal
Anastacia Cole, Writing Dissertation
Tanner Williams, Qualifying Exams
Andrea Perkins, Preparing Dissertation Proposal

Completed Doctoral Dissertations, Chair
Mark Hill (Chair), Writing Dissertation
Mary Littlepage (Chair), Writing Dissertation

Completed Doctoral Dissertations, Co-Chair
Min Xiao, 2023
Andrew Nelson, 2021
Odunayo Omotilewa, 2025

Completed Doctoral Dissertations, Committee Member
Olumuyiwa Desmennu, 2023
Rebecca Tucker, 2022
Brad Hubbard, 2022
Kristy Zak, 2022
Sarah Eustice, 2021
Carolyn Oldham, 2021
Sy Bridenbaugh, 2021
Kat Robershaw, 2021
Chunling Niu, 2021
John Eric Lingat, 2020
Jie Dai, 2020
Andrew Smith, 2017

Completed Masters, Advisor
Michael Moore, 2022

Awards

University of Kentucky Executive Leadership Development (WELD) 2025 Cohort
MWERA Dr. Jean Pierce Student Recruitment Award, 2022, 2021
2022 Society of Professors of Education Outstanding Book Award, Honorable Mention for A Framework for Culturally Responsive Practices. Implementing the Culturally Responsive Instruction Protocol (CRIOP) in K-8 Classrooms. (I contributed a chapter to this book)
2018 Teacher Who Made a Difference
2005 Commonwealth Research Award, University of Kentucky

Professional Memberships and Affiliations

American Evaluation Association (May 31, 2017 - Present)
American Educational Research Association (December 31, 2015 - Present)
Midwest Educational Research Association (June 2018- Present)